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TREK

THE MAGAZINE OF THE UNIVERSITY OF BRITISH COLUMBIA

WATER SCHOOL IN HAITI 24 · THE BUSINESS OF INVENTION 16 · NURTURING YOUNG WRITERS 21 · CYCLING AROUND THE WORLD 28

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What the Trek?

Trek Magazine caption competition

Captions please! Send your answers by July 31 to trek.magazine@ubc.ca or to the address in the right-hand column. The cleverest caption will be rewarded with a UBC alumni stainless steel insulating flask. It's free to enter and the odds are better than the national lottery.



Last issue's winning caption was sent in by Norm Moss, *BEd'71*:

"Your coach is only half right in calling you a birdbrain."

Norm was delighted to hear he'd won the last UBC alumni travel mug in stock. "I have a small cabin on a lake near here," says Norm, "and will put my mug on the window ledge overlooking the lake as a reminder of my days at UBC when I knew more than I do today." We're happy to know our last mug is going to a good home.

TREK 31

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A HAPPENING PLACE

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I remember being a school kid and having to take home a report card for my parents that accused me of being a daydreamer. “Vanessa needs to apply herself,” it said. The subject was math, taught by a grey man in a grey suit covered in a layer of chalk dust. “Mr. Grey lacks imagination,” my teenage self reassured herself.

I hate to admit it, but Mr. Grey was right. Dreaming is one thing. Doing is another. Think of all those half-formed ideas that float through an undisciplined mind; any potential little gems escape back into the ether without ever being fully grasped or realized. Perhaps the real act of creativity lies not in the fleeting idea, or even the a-ha! moment of a game-changing discovery, but in the weeks, months, sometimes years of determination and effort that take something from concept to actuality.

If it weren't for people who apply themselves, the world would get stuck in a standby zone. Happily, the UBC community is brimming with determined types – from inventors and entrepreneurs to scientists, social advocates and artists. Things get done, here. Over the past 50 years, UBC folk have disclosed 3,000 inventions in diverse areas ranging from human therapeutics to computer software and engineering. But as you'll find out on page 16, a brilliant discovery is only half the battle; the other half is transitioning that knowledge or idea into a treatment, device or other life-enhancing product.

On a cultural front, how many tantalizing premises for the Next Great Canadian Novel never make it past the stage of idle contemplation? There is no such waste of imagination in UBC's Creative Writing Program. The glass showcase on the fourth floor of Buchanan displaying the published works of faculty and alumni speaks to a culture of keyboard tenacity. Writing is all about rewriting, as poet Tess Gallagher told a class of students when she visited UBC recently: “Consider the moment of revision to have the equal possibility of creation,” she said. The program's students are involved in a high school outreach program that is planting the same good habits in Canada's youngest writing talent (page 21).

When it comes to innovation, it's the following through on an idea that really matters. One of the most interesting facts I came across while working on this issue is that the .CA country code domain name originated at UBC in 1987. This is only because forward-thinking computer facilities manager John Demco thought it would be a good idea to register Canada's identity on the internet – two years before any of us had even heard of a place called the World Wide Web. Then he volunteered his time for the next 13 years maintaining the domain and registering 100,000 domain names, before handing the task over to a non-profit he helped create. Now that's what Mr. Grey would call applying oneself. The two millionth .CA domain is anticipated this year (page 18).

Having a good idea won't change the world, but seeing it through just might make a difference. This issue is full of stories about people who had the brilliance, gumption and determination to do just that.

Vanessa Clarke, *Editor*

TAKE NOTE



BILL REID RAVEN BRACELET, C. 1955, GOLD METAL. DR. SYDNEY AND DR. CONSTANCE LIVINGSTONE FRIEDMAN COLLECTION.

MOA RECEIVES BILL REID JEWELLERY

An 11-piece gold and silver jewellery collection created by Haida artist Bill Reid is now on display at UBC's Museum of Anthropology (MOA). The collection was created over a 20-year period (1954-1974) for Sydney Friedman and his late wife, Constance Livingstone-Friedman, who were longstanding UBC professors and early patrons of Reid.

Standouts of the collection include an exquisite gold bracelet featuring a raven with cut-out wings and feathers, a gold brooch and matching earrings, a hinged silver bracelet with an eagle motif, and a silver picture frame fully

engraved with a bear motif.

"This collection has outstanding significance, not only as a representation of Bill Reid's extraordinary early work, and the value of such material for the study of Canadian art history, but also in encompassing one collector-family's relationship with the artist over a 20-year period," says MOA curator Bill McLennan.

The new pieces, valued at more than \$500,000, expand MOA's Bill Reid collection – already the world's largest public one – to 250 pieces, including carvings, drawings, metalwork, and sculptural masterpieces such as *The Raven and*

the First Men, which depicts a version of the Haida people's origin story and is on permanent display at the museum. Only two pieces in the jewellery collection have previously been exhibited.

Bill Reid (1920-1998) was a pivotal force in introducing to the world the great art traditions of the indigenous peoples of the Northwest Coast. His legacies include infusing these traditions with modern ideas and forms of expression.

The Friedman family's generous gift includes two other objects that will be exhibited later this year: a print by Reid and a historical Northwest Coast bracelet by an unknown artist.



AN INTERNATIONAL TEAM HAS UNVEILED A MODEL TO PREDICT THE FUTURE STATE OF OCEAN LIFE.

RIGHT: PROFESSOR VILLY CHRISTENSEN OF UBC FISHERIES



“This is the first comprehensive attempt to model life in our global oceans.”

FUTURE OCEAN

An international team from the Nippon Foundation-University of British Columbia Nereus program has unveiled the first global model of life in the world’s oceans, allowing scientists and policymakers to predict – and show through 3D visualizations – the state of life in the oceans of the future.

Combining scientific data from three major factors impacting our oceans – climate change, human activity (including fisheries and river run-off) and food web dynamics (fish eating fish) – the Nereus model shows life under the sea from 1960 to 2060. Based on current policies, the model shows a strong decline in the biomass of large fish, while some small fish may actually be increasing.

“This is the first comprehensive attempt to model life in our global oceans, and will require refining,” says UBC Fisheries professor Villy Christensen, “but we can now show the future impact of choices we are making today, and answer

the question: what must we do now to leave healthy oceans and fish to future generations?”

The model is capable of analyzing data from four linked global models – Earth System, Ocean Life, Biodiversity Envelope, and Fisheries Management and Governance – to generate 3D scenarios based on different fisheries management choices and policies.

It includes an interactive tool called The Oracle, which responds to questions from the public by presenting different scenarios based on certain choices and courses of action. For example, asking “How will fishing efforts impact future fish stocks?” leads to two scenarios. In one, fishing efforts increase over time and result in dramatic declines in future biomass of large fish. In a second scenario, fishing efforts are gradually reduced, resulting in a slow, gradual recovery.

Christensen recently announced formal partnerships between the Nereus – Predicting the Future Ocean program and five renowned institutions: Duke University, Princeton University, University of Stockholm, Cambridge University, and the United Nations Environment Program’s World Conservation Monitoring Centre (UNEP-WCMC).

CANADIANS WANT MORE SERVICES, LOWER TAXES

Many Canadians complain about government, especially after tax time. Nearly half – 45 per cent – say that government laws, services and programs are irrelevant to their well-being and quality of life. This is according to a national poll by McAllister Opinion Research on issues studied by UBC public policy professor Paul Kershaw.

“These results are ironic,” says Kershaw, “because Canadians use public schools, universities, medical care, pensions, unemployment insurance and many more programs and services on a daily basis.” Despite claiming that government policy doesn’t matter, around 90 per cent of Canadians reject spending less on almost all aspects of social policy, the poll indicates. In fact, it shows most of them want governments to spend as much, if not more, on a broad range of issues such as families with kids, seniors, medical care, the environment and poverty reduction.

“It has become trendy for Canadians to say that government doesn’t matter,” says Kershaw, “but nine in 10 Canadians want as much, if not more, spending on a variety of priorities.” Despite this, 47 per cent also indicate they would vote against any politician who wanted to increase taxes for any reason.

Kershaw's research shows that since 1976, spending on these social programs increased four times faster than the taxes that pay for them. "Canadians haven't always been so unwilling to balance the country's chequebook," says Kershaw, noting that just 10 years ago, taxes were \$80 billion higher. "But since 2000, we've prioritized tax cuts to 'pay ourselves' first and foremost, while continuing spending."

According to Kershaw, individual income tax is down nearly \$38 billion a year, and we slashed sales taxes by nearly \$19 billion to a level far below a generation ago. Corporate taxes also dropped substantially, down nearly \$18 billion.

Kershaw's research shows that the dramatic pattern of tax cuts over the last decade does not play out neutrally across generations. Since expenditures on medical care and pensions grew while taxes declined, there are far fewer resources with which to adapt to the declining standard of living for today's generations under age 45.

"Policy solutions need to be paid for; otherwise we squeeze generations that follow with larger debts," says Kershaw. We can make room to pay for them by spending less on other things or we have to pony up ourselves, as we did before the year 2000."

WHEN COOKING IS HAZARDOUS TO HEALTH

Approximately half the world's population relies on traditional biomass (wood, animal waste, coal or charcoal) for cooking fuel because of limited access to clean sources of energy. This dangerous practice causes indoor air pollution and leads to severe respiratory diseases that kill approximately two million people worldwide annually, according to the World Health Organization. It's a dire problem that assistant professor Hisham Zerriffi and his research team are working to solve.

"Energy poverty is one of the biggest human welfare issues of our day," says Zerriffi, who is based at the Liu Institute for Global Issues at UBC. "We're talking about more people who die each year from cooking than from malaria." It is often women and children who suffer the most from indoor air pollution, and who carry the burden of collecting fuel to burn. Beyond health and gender equity implications, burning biomass is also associated with environmental concerns such as carbon emissions and climate change.

- PRESIDENT'S MESSAGE -

Letters and Numbers, Faces and Names

*Stephen J. Toope,
President and Vice-Chancellor, UBC*



Do you still remember your UBC student number? You would have had to write or recite it scores of times over the course of your four (or more) years here, and chances are good that it has lodged itself indelibly in your memory. Due to the logistical exigencies of an institution with thousands of students, that number – along with the letters and numbers that got added to your transcript each semester – was for all intents and purposes your UBC identity.

Paradoxically, now that our student population tops 55,000, that is changing. Three initiatives are helping UBC evolve to a "faces and names" relationship with every new student who enrolls with us. The news might just convince you to pull out your student card again ...

Broad-based Admissions

Effective for the 2012-2013 academic year, all applicants to undergraduate programs at UBC Vancouver will be evaluated using a broad-based admissions process. In addition to high school grades, each applicant will provide a personal profile detailing their educational accomplishments and plans, as well as their life and community learning experiences and the ways those experiences have shaped them.

UBC's Sauder School of Business and the faculties of Science and Arts have been using broad-based admissions for several years, and have found that the process lets them consider a much fuller range of applicants' accomplishments and assemble a more diverse and engaged student body. Applicants find the process gives them a chance to reflect on the lessons inherent in their life experiences and challenges, and to be considered for the full breadth of aptitudes they possess.

The evaluation process is therefore much more rigorous – and a much greater investment for UBC – than it has ever been in the past. Hundreds of specially trained staff will evaluate each application individually according to standard, campus-wide criteria. UBC receives over 30,000 applications every year, and we accept approximately one out of every five. We don't expect those numbers to change this year, but we do expect to be referring to each one of them by name.

Names, Not Numbers

Beginning this June, every undergraduate student arriving at UBC will be assigned an Enrolment Service Professional (ESP), who will be a source of advice and assistance throughout the student's entire UBC career. By June 2013, every undergraduate will have one. The ESP relationship will mean students can access admissions, registration, student records, student financial support, fee assessment and more, all through one person – and that person will know their name. The ESPs, each of whom receives six weeks of training, will also know the student's history with UBC and be able to build a relationship over time.

The Learning Plan Strategy

Learning plans are currently used by a number of faculties to help students document their goals, both personal and professional, and tie those goals to learning experiences in class and in the community. Over the coming year, UBC will formalize a learning plan strategy for the institution as a whole.

We are changing the way we interact with our students, with an approach that sees and supports the whole student throughout the whole UBC experience. Our goal is nothing less than a transformative learning environment, filled with faces we recognize and names we know.

-Stephen



CAPTAIN COOK'S CEREMONIAL CLUB.

Although there are a variety of fuels and methods to burn them more efficiently, little progress has been made in getting individuals to switch to better cookstoves and modern fuels. “It’s a complicated problem because governments can’t afford to hand out improved cookstoves to a continually growing population, and the private sector needs to recover its costs so they can continue to distribute more stoves,” explains Zerriffi. Businesses are having trouble staying afloat because the majority of consumers who need this product are very poor.

“We need to combine new technologies with smart policies ... and help create viable markets, encourage households to switch to new stoves, and fix some of the gaps in funding – especially for those at the lowest end of the income scale,” he says.

A possible solution that’s received mixed reviews involves using financing from carbon-offset programs to support the distribution of cleaner stoves. Organizations that distribute cookstoves can apply for carbon credits in the internationally regulated carbon offsets market, or sell them on the voluntary market. Zerriffi’s colleague, Professor Michael Brauer of the UBC School of Population and Public Health, is evaluating such a carbon credit-financed program in India. He will measure health improvements, the extent to which harmful emissions are being reduced, and whether the stoves are sustainable and accepted in the community.

“There is great potential to dramatically improve people’s lives and reduce a major source of emissions related to climate change,” says Brauer, “but there is also the potential to squander lots of money and goodwill.”

CAPTAIN COOK’S CEREMONIAL CLUB COMES HOME

An object of global historical and cultural significance, received by explorer Captain James Cook from a Canadian First Nation during his final voyage to the Pacific (1776-1779), has been donated to UBC’s Museum of Anthropology (MOA).

Cook became the first European to set foot on the Northwest Coast when he arrived at BC’s Nootka Sound on March 28, 1778. The Mowachaht-Muchalaht First Nation greeted and hosted Captain James Cook in 1778 at Yuquot (Friendly Cove) in Nootka Sound and presented him with the ceremonial club. A year later, Cook was killed in Hawaii.

Recently purchased through a private dealer in New York, and valued at \$1.2 million, the rare ceremonial club was the last remaining object from Captain Cook’s personal collection not housed in a public museum. Thanks to Michael Audain and the Audain Foundation for the Visual Arts, the club has been returned to BC.

Like much of Cook’s personal collection, the club found its way from his family into the private Leverian Museum in London, where it was sold in 1806, passing through several private collections until it was obtained by the foundation.

Considered the oldest known and most finely executed club of this style, it is carved from yew wood in the shape of a hand holding a sphere. It may have been both a ceremonial symbol of its owner’s high rank and a functional tool or weapon. The club was carved by an Aboriginal Northwest Coast artist as early as the mid-1700s, placing it within the last generation of traditional objects created before European contact.

BULLY-PROOFING ANTI-HOMOPHOBIA PROGRAMS

Anti-gay bullying is a common occurrence in schools across Canada. Although school and community programs to counter it already exist, how effective are they? The answer to this question is the focus of a \$2 million, five-year study led by Elizabeth Saewyc, professor of nursing and adolescent medicine at UBC’s School of Nursing.

The study – funded by the Canadian Institutes of Health Research (CIHR) – is to date the agency’s single largest investment aimed at improving health and school outcomes for sexual minority youth.

“We know from previous research how common stigma and anti-gay bullying is in schools across Canada, and the health problems such violence can lead to,” says Saewyc. “Schools and communities are using a lot of different strategies to try to change this, but very few of these strategies have been evaluated to see not only if they work and how well they work, but why they work,” she says.

She explains that anyone can be affected by homophobia. “In any high school, there are far more heterosexual teens than lesbian, gay, bisexual or questioning teens, and because of this, we have found half or more of those targeted for anti-gay harassment actually identify as straight. There isn’t much research about them, but what there is suggests they have the same health consequences as LGBTQ youth who are bullied,” says Saewyc.

Saewyc’s team includes co-investigators from 10 universities – representing seven Canadian provinces and several US states – who will work with ministries of education and health, national teacher and public health associations, school districts, and community programs that work with schools.

Researchers will document and assess the types of strategies that schools currently use to foster connectedness and reduce bullying, and also track trends in health and safety among youth. The team will also study the experiences of heterosexual teens who are harassed because people assume they are gay.

RESEARCHER CLIMBS TO THE TOP

Most of us imagine scientific research being carried out within the confines of well-lit laboratories scattered across university campuses. But sometimes, researchers have to travel for their work.

This April, researcher Philip Ainslie led a 25-member team of international scientists on a six-week research expedition to Mount Everest's Pyramid laboratory. The team, which included several UBC students, was there to conduct a series of experiments measuring oxygen deprivation and blood flow through the heart, lungs and brain at high altitudes.

"People who live their lives at high altitude seem more resistant and less vulnerable to the respiratory and cardiovascular problems that we experience living at sea level," says Ainslie, who holds the Canada Research Chair in Cerebrovascular Function in Health and Disease.

An accomplished mountaineer who has been to Everest seven times, Ainslie says the conditions in the Himalayas offered the best and most cost-effective opportunity to conduct research. The focus of his work is the integrated mechanisms regulating human cerebral blood flow in health and disease. He studies how blood flows to the brain in a variety of clinical populations: healthy adults, children, seniors, and those affected by specific health issues like heart disease, sleep apnea, dementia and stroke. His research aims to reduce risk and improve prevention.

The associate professor in the School of Health and Exercise Sciences was recently named Researcher of the Year at UBC's Okanagan campus. "He is an acknowledged leader in cerebral vascular physiology whose research is answering fundamental questions about human physiology, and advancing our knowledge about an array of chronic health conditions," says Miriam Grant, dean of research and vice provost for UBC's Okanagan campus.

Since completing his PhD in 2002, Ainslie has authored a book, published more than 100 peer-reviewed publications, contributed 10 major book chapters and has successfully supervised 27 post-graduate students. He has attracted more than \$3 million in research grants – \$1.6 million of that since joining UBC in 2009.



UBC OKANAGAN'S PHILIP AINSLIE LED A TEAM OF SCIENTISTS ON A SIX-WEEK RESEARCH EXPEDITION TO MOUNT EVEREST'S PYRAMID LABORATORY.

UBC APPLICANTS NEED MORE THAN JUST GRADES

UBC has expanded its use of broad-based admissions – an application process based both on grades and personal experiences – to all applicants of direct-entry undergraduate programs at the Vancouver campus, making UBC the largest Canadian university to include non-academic criteria in its application process on this scale.

The move requires applicants to answer four to six "personal profile" questions in addition to providing secondary school marks. The questions give applicants the opportunity to reflect upon and talk about their learning, experiences, and goals.

Broad-based admissions have been used by the Sauder School of Business since 2004 and other faculties have made partial use of the system in recent years. In 2011, 25 per cent of all new first-year UBC students on the Vancouver campus were admitted using the system.

"By allowing us to consider the full range of our applicants' accomplishments, broad-based admissions has allowed Sauder to build a more diverse and engaged student body," said Daniel Muzyka, dean of the Sauder School of Business. "The feedback from the business community about the calibre of our graduates has been tremendous."

Paul Harrison, associate dean for Students in the Faculty of Science, who has been involved in expanding the broad-based admission system, says, "a successful UBC science student needs a strong academic background and high school marks will continue to be important for admission decisions."

"Success at university requires students to engage with their learning at a deep level and to learn from the challenges they encounter as they work toward attaining their goals. We'll use the personal profile to gather a broader range of indicators to assess an applicant's potential for success."

"UBC wants to improve our ability to select students who will really engage in the life of the university because university is about so much more than getting a degree," says UBC associate vice president and registrar James Ridge.

UBC offers students the opportunity to take part in community service learning projects, international service learning projects, undergraduate research, co-op programs, study and research abroad programs and more. UBC typically receives more than 30,000 applications to undergraduate programs each year. Last year, the university welcomed 5,913 new first-year students to its Vancouver campus.

- EXECUTIVE DIRECTOR'S MESSAGE -

We asked, you answered

*Jeff Todd, Executive Director,
Alumni Association/AVP Alumni*



From school report cards to university essays, students are required to undergo a constant barrage of evaluation and testing. But you're alumni, now, and the roles have reversed; it's us under scrutiny and you giving the grades.

Since 2005, Alumni Affairs has been seeking the opinions of UBC alumni. These surveys, conducted by an external firm, are a measure of how you perceive your alma mater and how we're doing at providing you with programs and services of value. (Are we offering you A when we should be offering you B? How aware are you about the programming available to you? Do you value UBC? Do you feel valued by UBC?) The third and most recent survey was conducted last year, and attracted our highest ever response rate at 19 per cent. Our thanks go to those of you who were so giving of your time.

Although there are many positive indicators of your affiliation to UBC, the survey results also revealed a few areas where, in the language of report cards, we "could do better." We have a little way to go before being able to proclaim ourselves top of the class in alumni service provision.

A clear theme emerging from the 2011 survey is that those of you who had a positive experience as students are likely to develop stronger and more enduring relationships with UBC and hold very favourable impressions of the institution as alumni. These grads are more likely to act as ambassadors for UBC, boosting its reputation and, hand-in-hand with that, the value of their degrees.

Compared with previous surveys, alumni expressed more interest in staying informed about UBC and in programs with an educational, intellectual or cultural focus. The same applies to networking with other alumni, career services, and mentoring students.

But (and it's a big BUT) UBC doesn't get stellar marks for its ability to provide you with these opportunities. It's our younger alumni who express the greatest interest in these activities but rate us least favourably. It's a clear message to do better, and so we are refreshing our student and alumni programming in response and will be conducting focus groups to help guide us in our work.

However, it should be noted that this low satisfaction rate coincides with a low awareness among that age group about our programming. It's evident that we also need to examine our marketing and communications approach, and this overhaul is already underway. To bear in mind is the fact that 45 per cent of alumni respondents said they use social media such as Facebook, Twitter and LinkedIn to interact with other alumni – one in 10 of you on a daily basis.

But we'd like to end this on a high note. Almost all who volunteered in the 12 months prior to the 2011 survey reported a positive experience. And alumni who visited campus in that time period are far more likely to report a sense of belonging than a sense of being an outsider whose relationship with the university is unacknowledged.

So one message seems clear to us: greater engagement generates greater satisfaction. Come to campus, get involved, attend an event, read this magazine (online, if you prefer). You may just be pleasantly surprised enough to give us a higher grade in the next survey, and we will be working hard to earn it.

PASS THE POPCORN PLEASE

An exceptional collection of classic, foreign and independent films valued at \$1.7 million is now being housed and preserved by UBC and SFU.

Videomatica – Vancouver's iconic independent video rental store that specialized in rare and esoteric titles – has donated the bulk of its 28,000 DVDs, 4,000 VHS titles and 900 Blu-rays to UBC. The collection will be housed at UBC Library with more than 5,000 duplicates available at UBC's Dept. of Theatre and Film. SFU received about 2,800 documentaries from the collection.

Videomatica has donated the bulk of its 28,000 DVDs, 4,000 VHS titles and 900 Blu-rays to UBC.

"We're honoured to serve as the new home for an outstanding collection of films," says Ingrid Parent, university librarian. "These titles, which number in the tens of thousands and cover a huge array of genres and topics, will serve as a valuable source of research and enjoyment."

The collection includes feature films, literary adaptations, cult and art films, foreign films from more than 75 countries, Canadian works and selections from the Vancouver International Film Festival.

Videomatica on West 4th Avenue was founded by former UBC students and film buffs, Brian Bosworth and Graham Peat in 1983. It was Vancouver's first specialty video store and a favourite among the city's cinephiles.

"After spending three decades building a unique film library and the better part of a year trying to preserve it, how wonderfully rewarding it is to know the interests of both the public and film students will be served with the collection finding a home at UBC and SFU," says co-founder Graham Peat, who also acknowledges the contributions of Yosef Wosk, the philanthropist, community leader and academic whose efforts spurred the Videomatica donation.

Following an extensive archival process over the next 18 months, the collection at UBC will be available to borrow for UBC students, staff and faculty and community borrowers by early 2013.

MERCURY CONTAMINATION FROM SMALL-SCALE MINING

In Columbian mining towns, artisanal miners are using mercury to extract gold from ore, putting themselves, their communities and the country's food exports at risk for mercury contamination.

Typically a poverty-driven activity, artisanal mining provides a source of income for those with few other options. "These miners aren't villains, they're victims," says UBC professor of mining engineering Marcello Veiga, who is the world's leading researcher on mercury contamination and UN advisor on the global effects of artisanal gold mining. After 30 years in the field involving travel to about 40 countries, he knows that hazardous extraction methods aren't restricted to Columbia. There are roughly 15 million artisanal gold miners living in 80 countries – men, women and children – whose activities contaminate the environment with 1,000 tonnes of mercury each year.

Last year, Veiga and a research team investigated gold artisanal mining methods and mercury release pathways in 17 towns in the Columbian province of Antioquia, where miners typically bring the ore back to town for processing because the presence of gold has attracted armed guerrillas and paramilitary activity.



WOMEN AND CHILDREN GRINDING THE ORE WITH MERCURY INTO SMALL BALL MILLS

The extraction process involves grinding the ore with mercury into small ball mills called cocos. Before discarding the waste product, which contains most of the mercury, the miners soak it with cyanide to recover any residual gold. This produces highly toxic mercury-cyanide, which is then discarded into the local creeks, potentially affecting farms located downstream. As of yet, not much is known about the impact this practice is having on the environment and food chain. Colombia's central and regional governments as well as the UN are involved in the research project, and one of the goals is to demonstrate to miners practical alternatives

that are cleaner and safer.

Veiga explains that it's the town residents who face the most immediate and extreme danger of exposure because of the mercury released directly into the air during the refinement process. Mercury is a toxin that can damage the brain and kidneys. Air quality measurements reveal mercury levels 10 times the limit set by the World Health Organization. "We found these levels and higher to be common in busy main streets with stores and schools, and with residential neighbourhoods nearby," reports Veiga. The study was led by UBC PhD mining engineering student Paul Cordy. ❶

- ASSOCIATION CHAIR'S MESSAGE -

A Fresh Vision

Judy Rogers, BBE'71,
Chair, UBC Alumni Association



Universities are busy and complex places that operate in a continually changing context. Technological advances, differing societal and economic climates, new fields of exploration, and demographic shifts are just a few of the variables affecting its work. In order to serve the university and its grads effectively, the Alumni Association board must be nimble, skilled and effective with a robust set of principles in place to guide its work.

With this in mind, board members have been busy conducting preliminary work on a new multi-year strategic plan for Alumni Affairs. This plan will include the development of a fresh and energizing formulation of the vision that drives our work to ensure it reflects our current aspirations and is harmonious with those of the university. Our goal in revising the vision is to further deepen the culture of alumni engagement at UBC, as well as the partnership between UBC and the Association. This work will also allow us to judge the relevance and strength of our programming and communications with greater clarity.

The board will have a multi-day meeting in June to review our progress, examine feedback from various stakeholders, and establish next steps. I'm pleased to report that our efforts have so far been well received, eliciting thoughtful and constructive feedback. But more work and consultation remain ahead.

In addition to launching this strategic planning process, the board has completed a governance review. It has affirmed its commitment to the principle of self governance and to developing a distinct and influential voice among alumni and across the broader university community. The emerging recommendations from the review are for a smaller board focused on strategic direction, development of appropriate policies, and ensuring the Alumni Association has the resources necessary to effectively fulfill its vision and serve UBC and the alumni community. There are also plans for a broader advisory council to engage more alumni in the work of the Association and the life of UBC.

To ensure we have the resources necessary to support and extend our engagement efforts, a board work team has recently completed a careful review of our revenue-generating activities. We are also strengthening our communications and marketing programs to more effectively engage alumni and build awareness of our activities.

The board is committed to growing and deepening alumni engagement while aspiring to be a stronger connection point and forum for alumni volunteers across the university. There is much work still to be done, but I am confident that we have a very solid base on which to build.

A man with dark hair and a goatee, wearing a black and white Adidas jacket, is sitting at a table. He has his eyes closed and a serene expression as water splashes over his head and face. In front of him is a silver tray with a glass pitcher and two glasses of beer. The background is a wall with a vibrant, geometric pattern in blue, orange, and white. The scene is set in a traditional, possibly Middle Eastern, environment.

Water Portraits

...

Photographer
Peter Holmes, *BA'11*,
has a head-on
approach to tackling
complacency around
water conservation.

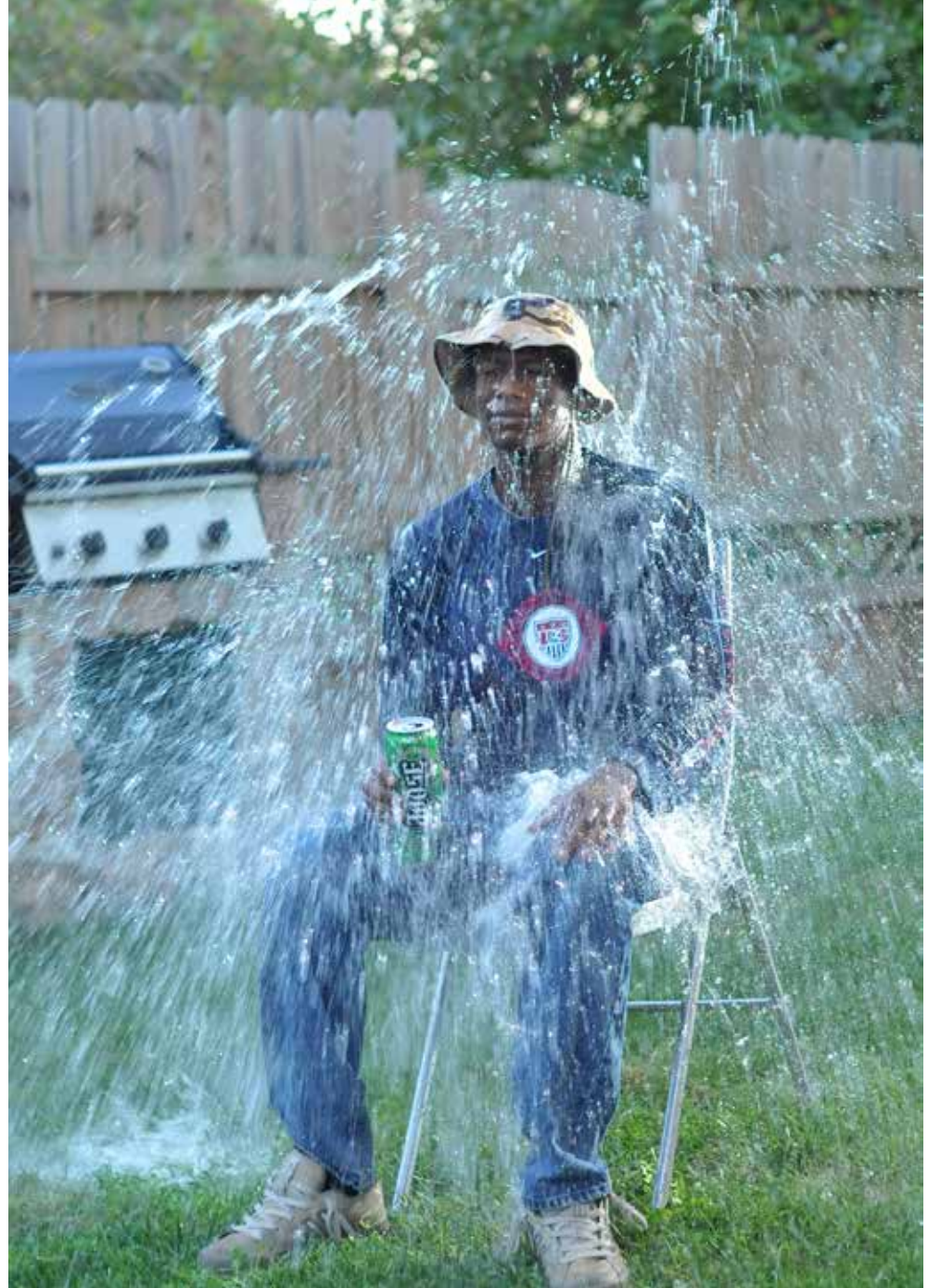


Peter Holmes' dad, Roger, is a patient man who loves his son. So much so, he agreed to be the guinea-pig for Holmes' photography project, which involved having a bucket of water poured over his head while reading the newspaper at his kitchen table in Wainwright, Alberta.

"That water was ice cold," recalls Holmes. "I was so intent on convincing him to do this project – that we had to do it inside, and we couldn't do it in the bathroom – I forgot to use warm water when filling up the bucket."

But the few seconds of discomfort endured by Roger produced the photo Holmes was after, one that sparked a whole series of what he refers to as water portraiture. It combines art and math to create a message and a reaction in the observer: that fresh water is a precious resource under alarming stress about which most of us are oddly detached and complacent.

"It's understandable," says Holmes. "People have a million and one things to do every day and water is a funny resource in that it's ubiquitous in North America – we turn on the tap and it's there – but strangely we don't think about it because it's everywhere, which makes it invisible." But water really is the most important resource, he says, essential in everything from apples to Apple computers. We may be complacent about it now, but Holmes doesn't think it will be that way for long. In other parts of the world, the situation is already



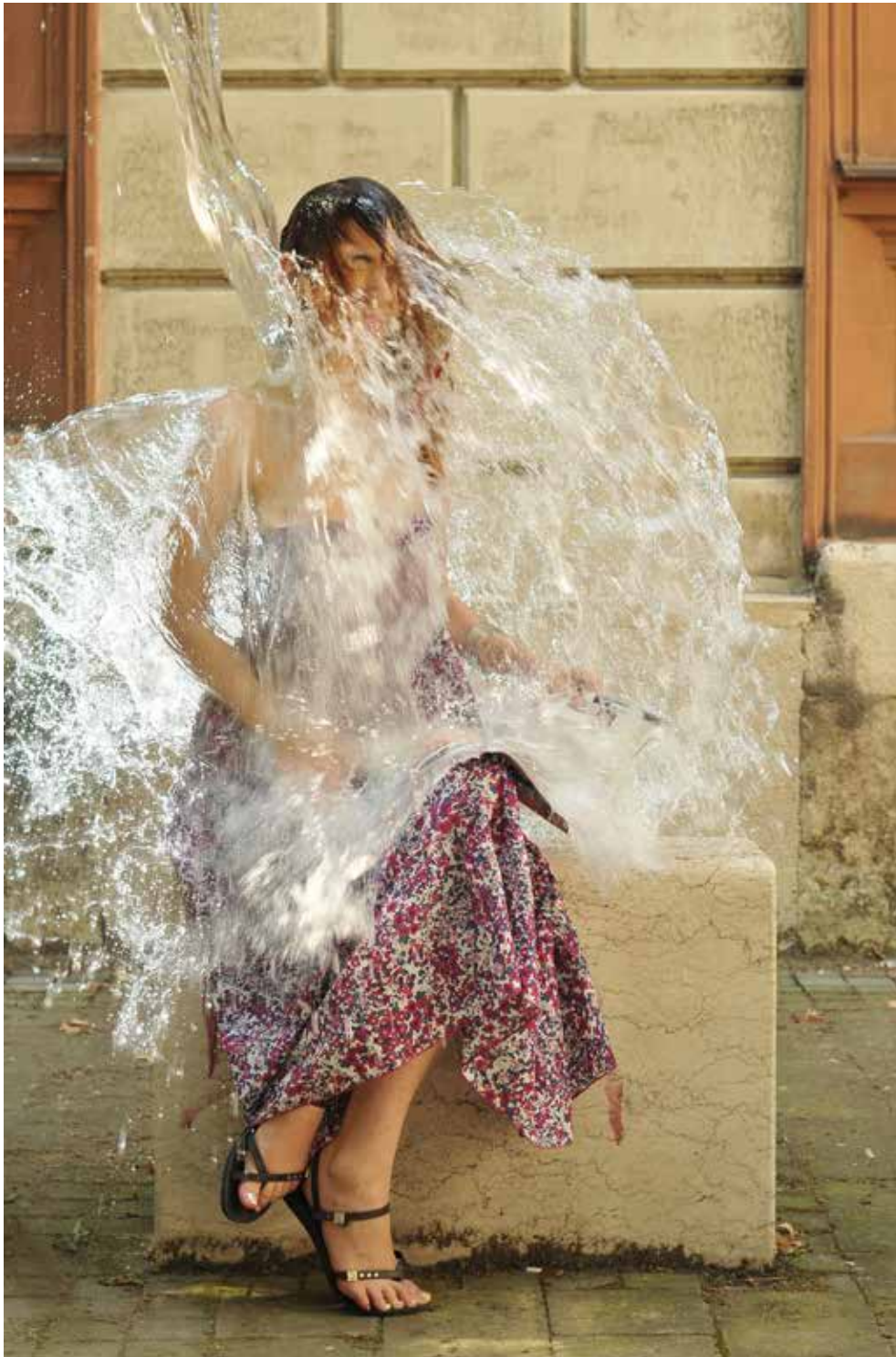
FAR LEFT: MOROCCO: 4.5 LITRES PER PERSON EVERY HOUR. ABOVE LEFT: ALBERTA: 11.8 LITRES PER PERSON EVERY HOUR. ABOVE: WASHINGTON, DC: 11.8 LITRES PER PERSON EVERY HOUR.

dire; the World Health Organization estimates that one billion people do not have access to clean water, a resource we use to flush our toilets and water our lawns here in the west.

The idea for a photography project to promote greater water awareness surfaced when Holmes was a political science major at UBC. He was taking a couple of art history courses and one on environmental politics in the same semester, and was a card-carrying member of the Photography Club. "I looked at what others had done with similar goals – from pictures of tar sands to pictures of pristine bodies of

After drenching his dad with 11.8 litres of water, an Albertan's hourly average, Holmes decided to expand the project.

Art can produce the emotional response that academic reports and papers often lack, no matter how alarming their revelations.



water – and didn't feel I could add any value," he says. "But portraiture has a long history of being able to establish an empathetic connection with the viewer."

Art can produce the emotional response that academic reports and papers often lack, no matter how alarming their revelations. He wanted to find a way of relaying the vital information he was reading about at university in a way that would resonate in the hearts and minds of the electorate, and provoke smarter political decisions and investments. "We toss out statistics in research as if people can understand and relate to them but often they don't," says Holmes. Take water consumption. "Statistics are often given per person per year – but over 100,000 litres very quickly becomes unimaginable. How many bathtubs is that worth?"

Instead he collected statistics from various sources that were based on the average hourly residential water consumption per person.* The figures were much easier to relate to and consequently harder to ignore. "I wanted to combine portraiture with this prodigious hourly statistic. It finally dawned on me to just take that amount of water and dump it on somebody."

After drenching his dad with 11.8 litres of water, an Albertan's hourly average, Holmes decided to expand the project to other places in Canada and then to other countries by working on it during an exchange year in Granada, Spain. (He feels that water is such a regional issue it's important to take the pictures in the country the stats relate to, using local residents as models.) He couch-surfed with friends of friends living in major European cities, often persuading his hosts to double as portrait subjects, bucket-pourers, or light stands. Sometimes he befriended strangers on the street and enlisted them in the

**This figure is calculated by dividing the input of treated, potable water by population. It does not include agricultural, thermoelectric or industrial uses, but does include restaurants and light industry within the municipal limits.*

LEFT: SERBIA: 5.3 LITRES PER PERSON EVERY HOUR.

It finally dawned on me to just take that amount of water and dump it on somebody.”

cause using nothing but a friendly smile and the promise of a clean towel.

Holmes allowed himself only one attempt at each portrait, and yet the results are striking. The images draw you in and cry out for an explanation. Making one hour's worth of water visible in a single portrait makes our relationship with this vital resource personal and immediate, somehow. "It's important to make it beautiful and astonishing because when a person is astonished they're interested in a way that supercedes factual information," says Holmes. "And when they come closer and read the statistics underneath they can connect the two and become interested in another way."

Holmes is eager to get the images in front of the public. As well as a website, he had an exhibition

in Washington, DC, last November, and has had the images printed up in newspaper format. He's mailed copies of these to magazines, handed them out on the street, and even sneaked them into newspaper dispensers. While in the US he met with the World Resource Institute in DC and The Human Impact Institute in NY and is interested in working with NGOs concerned with water conservation and other environmental issues who are keen to conduct public campaigns.

Holmes' next project is already taking shape and will combine portraiture with statistics on coal consumption. So if you see a smiling photographer heading your way armed with a bucket of coal and a clothes brush, consider yourself warned. ●



JANET BERRYMAN
1936-1999

Janet Berryman is my hero. In her will, she created a medical scholarship at UBC that has supported almost 100 students. As one of those students, I've been able to study obstetrics and neonatal care. Janet's scholarship helped me graduate from the Faculty of Medicine. Now I'm working on research into the early detection and treatment of a congenital lung defect in infants. Through Janet Berryman I've found my calling. I'm helping save lives. And I get to bounce ideas off of some of the brightest minds around. But the one person I really look up to is Janet Berryman. I'll never forget your generosity. Thank you for giving me the opportunity to chase my dreams.

- Jordan Chan*

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a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA

*name changed for privacy.



Water Conservation on Campus

UBC has an intimate relationship with water. Nestled at the tip of the Point Grey peninsula, the campus is embraced on three sides by ocean and river, and bound on the other by a temperate rain forest. The university also sits on a natural aquifer, a porous, layered bed of sand and gravel that holds water and could contribute to future water self-sufficiency on campus.

In 2011/12, UBC achieved a 50 per cent reduction in water consumption in institutional and ancillary buildings compared with 2000 levels, adjusted for growth. The university is now developing a Water Conservation Action Plan that will set ambitious new water conservation targets for its Vancouver campus.

Feedback from public consultations seeking the community's visions and priorities for water conservation and management, along with a water audit of seven UBC buildings, is being used to inform the draft plan. Five key priorities

were identified for water management, including rainwater harvesting; more efficient landscape irrigation; reduced water use and wastewater generation; managing water use in building operations; and education and engagement.

UBC's Water Conservation Action Plan will be complete in 2012. For more information and to read the draft Discussion Paper, please visit: www.sustain.ubc.ca/campus-water.

In the Okanagan, UBC researchers have been awarded \$1.2 million in funding from the Government of Canada to study how water conservation practices can be used to reduce greenhouse gas emissions. The university will develop beneficial management practices for irrigation that mitigate greenhouse gas emissions and carbon sequestration in orchards in the Okanagan and Fraser Valleys. This research will allow producers to improve their production efficiency and minimize their impacts on the environment while continuing to produce top quality fruit.

THE BUSINESS OF INVENTION

A brilliant idea or ground-breaking discovery is only the beginning. Unlocking its economic and social potential sometimes involves negotiating the often perilous path to market, which requires a bold vision, having the right people involved at the right time, a receptive environment, and sometimes a little bit of luck.

The history of invention at UBC is book-ended by two environmentally-focused ideas: one a vastly more efficient way to aid the reforestation of logged areas, and the other a new device for the purification of water. Both feature entrepreneurial students as inventors. All that separates them is 50 years and 2,998 other UBC inventions.

Over five decades, the innovation ecosystem has undergone many drastic changes. In 1961, when Jack Walters disclosed the Tree Planting Gun and Bullet system he initially conceived of while a student at UBC in the 1950s, there was no formal process at the university for managing and commercializing intellectual property, and all inventions were managed by Canadian Patents and Development Ltd. (CPDL). This changed in 1982 when UBC terminated its agreement with CPDL in order to manage its own intellectual property, and in 1984 created the University-Industry Liaison Office (UILO) - the first of its kind in Canada.

With an initial staff of three specializing in patents and licensing, the UILO allowed UBC to work directly with its own researchers and take a more strategic approach to commercialization. The intention was to increase opportunities for both UBC and its researchers to share in the financial benefits arising from research discoveries that had significant academic, economic and social impacts. The university had missed major opportunities to do so in the past, including the 1961 discovery of calcitonin by Dr. Harold Copp. Used as a treatment for osteoporosis and analgesic for bone cancer, it became the second most popular hormone treatment in the world.

By the time Dr. Madjid Mohseni and graduate



IN THE 1950s, UBC STUDENT JACK WALTERS DEvised A NEW METHOD FOR TREE-PLANTING. DESPITE NOT BEING A COMMERCIAL SUCCESS, IT WAS VERY INFLUENTIAL.

student Kristian Dubrawski disclosed UBC's 3,000th recorded invention in June 2011, UBC had developed an international reputation for its commercialization activities. The university's discoveries - in diverse areas ranging from human therapeutics to computer software and engineering - are the basis of 150 spin-off companies, and products that have generated more than \$5 billion in sales, along with widespread social and academic benefits. (And it's worth noting that although Walters' tree planting system - which enabled the planting of 1,500 seedlings an hour as opposed to 750 per day - was never a commercial success, it nevertheless left its mark; the concept of contained root systems used in the invention was the catalyst for containerized planting, now the predominant form of planting in BC.)

These days, the UILO also handles industry-sponsored research and has a broader range of approaches to advancing new discoveries that are not solely focused on extracting maximum financial value. Mohseni and Dubrawski's water purification device, for example, has been identified as a clear candidate for advancement in keeping with UBC's global access principles, designed to ensure developing world access to relevant technologies. The device uses electrocoagulation to remove impurities in an energy-efficient way, including elements such as arsenic found in groundwater in some areas of BC as well as many parts of the world such as Bangladesh.

Throughout 50 years of change, however, some things have stayed consistent, and the successful translation of the 3,000th discovery into a product faces many of the same challenges as the commercialization of Walters' tree planting system. The path from lab to market is often perilous, with many outstanding scientific discoveries failing to make the transition. This is particularly true for disruptive, game-changing discoveries, which frequently emerge from basic scientific research with no commercial motivation. Such discoveries are typically 10 to 20 years away from becoming a successful product, and require not only receptive market conditions, but the strong leadership of technology champions who have the vision and drive to overcome obstacles encountered along the way.

The following vignettes reveal the circumstances behind just a few of UBC's most successful innovations, highlighting the many factors involved in guiding them along the often arduous route to commercial success.

A NEW LEARNING EXPERIENCE

A classroom project in UBC's Computer Science department to improve course preparation and the student learning experience revolutionized e-learning and set the standard by which much university teaching is done today. In 1995 UBC's Murray Goldberg and his teaching assistant, Sasan Salari, developed web-based course tools (WebCT), allowing educators to set up courses that contain searchable course notes, review material, discussion boards, quizzes, exams, image databases and chat rooms. After initially being made available free of charge to other

institutions, in 1997 a company was spun-out to commercialize the WebCT product, with rookie entrepreneur Goldberg at the helm. Such was its success, the company was acquired in 1999 by Universal Learning Technologies of Boston, who retained the WebCT name, with Goldberg serving as Canadian president. It was estimated that by 2005 the software was being used by up to 14 million students daily across 80 countries. In February of 2006, WebCT was acquired by its major competitor, Blackboard®.

THE VALUE OF SCIENTIFIC CURIOSITY

The most commercially successful UBC technology to date is the Visudyne®* therapy developed by QLT Inc. and used to treat a form of wet age-related macular degeneration (AMD), the leading cause of age-related blindness. Used in more than two million treatments worldwide, the genesis of the drug can be traced back to basic scientific curiosity. Dr. Julia Levy was on holiday with her family at their cottage in the Gulf Islands when she noticed that her children, who often played on the field around the cottage, sometimes developed lesions that looked like burns on their arms and legs. On returning to UBC, Levy consulted a colleague who was a plant biochemist. He identified cow parsley, a plant that grew abundantly around the cottage, as the major cause. It contains a light-activated drug in its sap. If the sap gets on the skin in sunny weather, it will create lesions. Levy began research into the potential of photo-activated chemicals, becoming a pioneer of photodynamic therapy. This treatment uses a dose of non-thermal laser light to activate drugs after they are injected into a patient's bloodstream and have accumulated in the appropriate areas.

Vision became a target for the company after Levy's mother was diagnosed with wet AMD. Levy recognized similarities between this condition and the cancers that the company was focusing on at that time. Verteporfin (the



VISUDYNE® HAS IMPROVED THE QUALITY OF LIFE FOR PATIENTS WORLDWIDE AND WAS THE FUNDAMENTAL FACTOR IN THE DEVELOPMENT OF BC'S BIOTECHNOLOGY SECTOR.

active ingredient in Visudyne®) was discovered through UBC research led by Dr. David Dolphin, and the patents and know-how related to verteporfin were licensed exclusively to QLT in 1988. Visudyne® received regulatory approval in 2000, a full 19 years after the company initially spun-out of UBC. Its development period provided invaluable experience, training and research opportunities for numerous UBC students and faculty. Its commercialization has improved the quality of life for patients worldwide and was the fundamental factor in the development of BC's biotechnology sector.

FOLLOWING THE MARKET

UBC's first spin-off company, created in 1976, in many ways demonstrates how successful companies based on university technologies sometimes have to avoid pushing their technical discovery into an unreceptive market, and instead let it be pulled in the direction of the best opportunity. Vortek Industries Ltd. was created to commercialize the work of researchers led by Drs. Roy Nodwell and David Camm in the Department of Physics and Astronomy, who designed and developed an arc lamp capable of generating extremely high-intensity light. The lamp was recognized by The Guinness Book of World Records as the world's most powerful, continuously burning light source. Potential applications included lighting for stadiums, search and rescue and other emergency response operations, and even film sets.

But it was not the light itself that would spell success for Vortek. What proved more valuable to potential customers was the rapid heating it produced. And so the company adapted and started providing thermal testing and certification for aerospace companies and NASA. The lamp was also an integral component of the Rapid Thermal Processing technology developed by Vortek that provided precise thermal control in the production of microchips and semiconductors. This led to Vortek's acquisition by semiconductor giant Mattson Technology of California in 2004.

*VISUDYNE® IS A REGISTERED TRADEMARK OF NOVARTIS AG.



VISIONARY VOLUNTEER

JOHN DEMCO ESTABLISHED THE .CA DOMAIN NAME IN 1987 - TWO YEARS BEFORE THE WORLD WIDE WEB EVEN EMERGED.

Canada's identity on the internet was secured 25 years ago by the visionary work of John Demco, then Computing Facilities manager in the Department of Computer Science. Demco established the .CA domain name in 1987 - two years before the World Wide Web even emerged. Working with a team of fellow volunteers, he maintained the .CA registry until 2000, registering and recording more than

100,000 names before the registry was handed over to the Canadian Internet Registry Authority, a not-for-profit corporation that Demco helped establish in 1998. In 2012 the two millionth .CA domain is expected to be created for a Canadian business, individual or organization, making it one of the most recognized domain name extensions on the internet.

THE RIGHT CHAMPION AT THE RIGHT TIME

In 2011, UBC professor emeritus Phil Hill received the Principal Award of the Ernest C. Manning Awards Foundation for his discovery 25 years earlier of a technology that enables diesel engines to run on clean-burning natural gas. Now being successfully commercialized by UBC spin-off company Westport Innovations, Dr. Hill's technology almost didn't make it out of the lab.

Hill conceived of and first developed the High Pressure Direct Injection technology in the late 1980s in his research lab at UBC's Department of Mechanical Engineering. Supported by a market assessment funded through the UILO's then new Demonstration Prototype Development Program, the technology initially attracted considerable interest and funding support.

By 1994, however, research funds were diminishing, and UBC faced mounting worldwide patent costs that would be hard to sustain. The technology had been marketed to major diesel engine manufacturers, but a suitable licensee

had not been found, and the undesirable option of closing the technology was becoming a more realistic possibility by the day.

It was around this time that entrepreneur David Demers approached the UILO, looking for a new business opportunity. Both sides recognized Dr. Hill's discovery as a good fit, and Demers established Westport Research (which later became Westport Innovations) to commercialize the technology. The company maintains research partnerships with UBC to this day and, with Demers still at the helm, boasts partnerships and joint ventures with leading diesel engine and vehicle original equipment manufacturers from around the world. Currently employing more than 900 people, Westport develops, manufactures and distributes natural gas engines and fuel systems for new vehicles such as pickup trucks, refuse haulers and long-haul trucks, as well as developing natural gas technologies for rail, marine and high-horsepower equipment.

STUDENT INNOVATIONS

In 2004, Gary Albach (a co-founder of Vortek Industries, UBC's first spin-off company) returned to UBC to become the UILO's first entrepreneur-in-residence. A key part of his role was to identify and support UBC companies that had been flying under the university's radar due to the fact that they were created around the entrepreneurial zeal of current students, staff, faculty and recent alumni rather than being based on university intellectual property. By walking the halls, it soon became evident that there were many such companies. Although a number of them did receive support from faculties and through the UILO's entrepreneurs-in-residence, it was ad-hoc and for many other companies was non-existent. In 2010 UBC launched the entrepreneurship@UBC initiative to address this gap in support for student, alumni, faculty and staff entrepreneurs (see next page).

One of the many new companies that is benefiting from this initiative is Aeos Biomedical, whose innovative medical adhesive tape, Target Tape, has been developed to allow doctors to make more precise incisions during surgery. The technology emerged from UBC's New Venture Design course - a collaborative entrepreneurial course which partners undergraduate students from UBC Engineering and the Sauder School of Business. Between 2009 and 2010, undergraduate engineering students Patricia Backlund and Colin O'Neill and commerce students Nicholas Seto, Wylie Spencer and Emi Yamada developed the concept, with O'Neill and Seto later incorporating Aeos Biomedical to bring the product to market.

The company was first supported by entrepreneurship@UBC in August 2010, when they were selected to take part in an Alumni Affairs event in Silicon Valley where they presented their business idea to alumni and venture capitalists. In the fall of 2011, Aeos Biomedical won the inaugural entrepreneurship@UBC Seed Accelerator Fund competition, ultimately securing an investment of \$50,000, and they are also receiving support from the UILO's Start-up Services Voucher program, providing them with up to \$5,000 worth of in-kind services such as intellectual property strategy.



ONE INVENTION, MANY APPLICATIONS

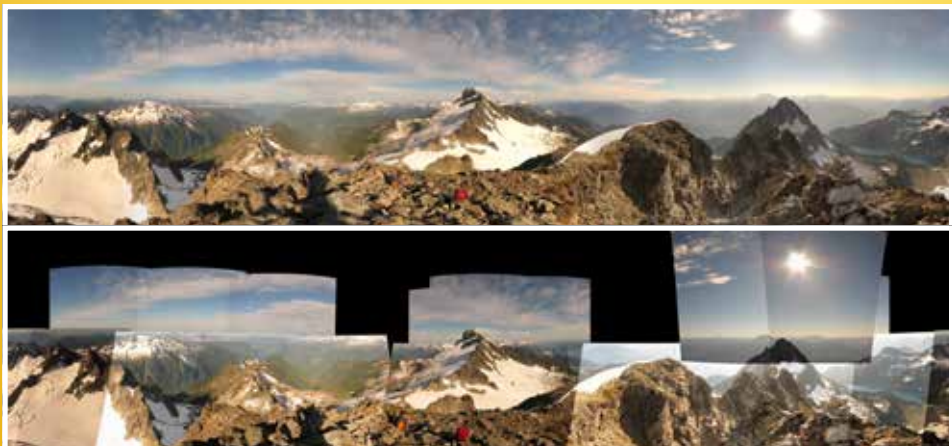
An algorithm developed by Dr. David Lowe has become one of UBC's most frequently licensed and diversely applied technologies. The SIFT (Scale Invariant Feature Transform) algorithm is able to recognize and match shared features in images. It was first licensed in the mobile robotics industry and was integrated into Sony's electronic pet dog AIBO to recognize and respond to visual instructions from its "owners."

It's been 13 years since Dr. Lowe published his findings, and nine since a US patent issued. Over that time, strategic licensing activities have allowed licensees to gain exclusive rights in some specific fields of use, and consequently the technology has been used in applications as diverse as security, space robotics and mapping databases. It is also helping to detect and prevent items from leaving supermarkets

hidden on the bottom of shopping carts by matching images taken by cameras at the checkout to stocked products in the store.

In 2002/03, Dr. Lowe and then PhD student Matthew Brown incorporated SIFT into software called Autostitch™, the world's first automatic two-dimensional image stitcher. It was capable of identifying and selecting images sharing common elements, and then positioning and blending them into seamless panoramas of up to 360 degrees. Licensed by companies around the world, the inventors themselves spun-out their own company, Cloudburst Research, in 2009 to create the Autostitch™ for iPhone app, which became an instant hit with iPhone photographers and has sold well over 400,000 copies to date, in more than 80 countries.

THE AUTOSTITCH™ FOR IPHONE APP BECAME AN INSTANT HIT WITH IPHONE PHOTOGRAPHERS AND HAS SOLD WELL OVER 400,000 COPIES TO DATE, IN MORE THAN 80 COUNTRIES.



startanevolution.ca

Supporting UBC Entrepreneurs

In 2010 UBC launched entrepreneurship@UBC, a cross-campus initiative led by Sauder School of Business, the faculties of Applied Science and Science and the UILO. The entrepreneurship@UBC program provides all student, faculty, staff and recent alumni entrepreneurs with access to the educational opportunities, space, capital, services, mentorship and networks to help them succeed, and has already been involved with approximately 200 new ventures and business ideas from entrepreneurs within all disciplines across the university. Alumni who have graduated within the last three years are eligible to apply for the services and funding offered by the initiative. Visit www.entrepreneurship.ubc.ca for more details.

The SPARK alumni branch is a joint initiative between business and computer science alumni and students. It's dedicated to bringing together UBC's entrepreneurial alumni and building bridges between student companies and industry contacts. The launch party last fall attracted more than 100 attendees and recent events have been focusing on the topic of business start-ups. Visit spark.alumni.ubc.ca to find out more.

Plans for UBC's future Alumni Centre include an incubator space for start-ups, where students and recent alumni will have an opportunity to get their businesses off the ground. An important part of the program will be alumni mentors providing direction to young entrepreneurs. Do you have mentoring skills that you would like to share? Don't wait for the new building - sign up to be a mentor today:

www.alumni.ubc.ca/get-involved/mentorship

A VIRTUAL APPROACH

Dr. Martin Gleave is based at the Prostate Centre at Vancouver General Hospital (VGH). In 1998, he developed a new therapy to address treatment-resistant cancers. Recognizing the potential value of this and subsequent related discoveries, the UILO worked with Dr. Gleave to help set up a spin-off company to develop and commercialize these therapies, introducing him to entrepreneur Scott Cormack. In 2000, the pair co-founded OncoGenex Technologies and took an innovative step in trying to bring the therapies through the hugely expensive clinical trial process to market. Rather than employ a large team of in-house researchers and technicians, a decision was made to keep the company "virtual" with a skeleton staff, and instead use funds to sponsor the necessary research, much of which was conducted by Dr. Gleave and his team at UBC and VGH. This decision to keep the company virtual in its infancy not only allowed it to develop treatments with a very low amount of "capital burn," but the research relationships it fostered also led in part to the creation and funding of the Prostate Centre's Translational Research Initiative for Accelerated Discovery and Development.

In 2008 the company became OncoGenex Pharmaceuticals after completing a reverse takeover of a publically listed company. With Cormack still at the helm, OncoGenex has raised more than \$50 million in the last year alone, and in partnership with global company Teva Pharmaceuticals, has successfully advanced its lead product, custirsen, into the later stages of clinical trials, known as Phase 3. By sensitizing tumor cells to standard chemotherapeutic drugs, trials to date suggest that the treatment could both prolong survival and reduce pain in patients with prostate cancer, and prolong survival in patients with lung cancer.



A GLOBAL APPROACH

KISHOR WASAN

In the fall of 2007, the university formalized a set of Global Access Principles it created in consultation with the UBC chapter of the student group Universities Allied for Essential Medicines. This was to ensure developing world access to relevant UBC technologies and research. The first licensing agreement in specific accordance with these principles was reached in May 2008 with Vancouver company iCo Therapeutics for a new formulation of a drug with the potential to treat leishmaniasis, a disease contracted by two million people a year, predominantly in the developing world.

The new oral formulation of amphotericin B

was developed in the lab of Dr. Kishor Wasan. Under the terms of the license agreement, iCo Therapeutics gained the worldwide right to develop and sell the formulation in the developed world as a treatment for blood-borne fungal infections (a leading cause of death in immuno-compromised individuals). In return, through subsidized pricing, iCo will ensure a suitable formulation is accessible to countries in the developing world for the treatment of leishmaniasis. In 2009, iCo and the Canadian Institutes of Health Research (CIHR) established the Research Chair in Drug Delivery for Neglected Global Diseases, held by Dr. Wasan. ①

REVISIT UBC Library



Photo: University Archives

A haven. Every alumni has used UBC Library during their student days.

A second home. Next time you're up on campus, we invite you to revisit our libraries, browse our collections, attend one of our branch events and find out more about our programs and services for alumni.

A tranquil space. Or visit us online and subscribe to our Lib-Focus e-newsletter at www.library.ubc.ca



New Shoots



Chances are, one of the books sitting on your bookshelf was written by an alumnus of UBC's Creative Writing Program, one of the oldest of its kind in the country. An educational collaboration with the Vancouver School Board extends its reach into high school classrooms, where UBC MFA students are tending Canada's youngest writing talent.

By **TERESA GOFF**

One flight up from Philosophy, on the fourth floor of Buchanan E, carefully selected clippings from literary journals and newspapers line the walls. Announcements for writing contests and prizes are tacked to cork boards, alongside calls for lyrics and librettos. To read from one end of the UBC Creative Writing Program hallway to the other is at least an afternoon's worth of literary and poetic immersion, culminating in the glass showcase housing a selection of books written by either graduates of the program or their instructors. Among many others of note there is *Blood Sports*, one of two bestselling novels by Eden Robinson, a Haisla author and alumna whose first book, *Monkey Beach*, won the Ethel Wilson Fiction Prize and was a finalist for the 2000 Giller Prize. And there's *The Cripple and his Talismans* by another grad, Anosh Irani, whose novel *The Song of Kahunsha* was published in 13 countries, became a bestseller in Canada and Italy, and was a finalist for CBC's *Canada Reads*. These two are just a small sampling of the writers who achieved what they came here for: seeing their stories in print.

The UBC Creative Writing Program, which continues to produce accomplished authors, is

one of the oldest and most distinguished in the country, and these walls chart its history. Among the clippings, a few pages torn from an old issue of *The Walrus* magazine hang as a reminder of what "an increasingly influential cabal of Canadian poets" can become: black and white photographs from the summer of 1970 show a young Margaret Atwood, a sultry Michael Ondaatje, Milton Acorn seated in a stand of trees, and Earle Birney "having a nicotine fit" on Charles Street in Toronto. None of them is a grad, but it was Birney who established UBC's Creative Writing Program five years before this photo was snapped.

As both poet and professor, Earle Birney (1904-1995) encouraged generations of students and his inspirational words can still be found in print up and down the fourth floor corridor. When it began in 1965, the program was Canada's only credit-course in creative writing. As a template, Birney used the University of Iowa's creative writing program. Founded in 1936, the Iowa Writer's Workshop has amassed 28 affiliated Pulitzer Prizes earned by an impressive list of

faculty and graduates. Notable writers include Flannery O'Connor, John Irving, Raymond Carver and the poet Tess Gallagher, Carver's widow. What sets both the UBC program and the Iowa Writer's Workshop apart is the learner-centred approach based on workshops that allow students to critique one another's work. There is also a strong philosophy of mentorship.

Today, American poet Tess Gallagher is visiting UBC to address a class in room 476. She has just applied bright magenta lipstick and her eyebrows are drawn on in the fashion of a Hollywood actress from the 40s. When she speaks, her voice is musical and full of mirth. "Keep the doors and windows of your poems open," she tells the students in Rhea Tregebov's graduate class. "You never know what might fly in." As if to prove her point, in the ensuing hour of poetry and personal anecdotes she shares with the class Gallagher conjures images of the Vietnam War, the executed Romanian dictator Nicolae Ceaușescu, Oliver Cromwell and the blood stains of Irish monks still visible on monastery walls in Ireland, a hummingbird in

ABOVE: COVER ART FOR PAST EDITIONS OF *NEW SHOOTS* BY: 2005-2006 - JENNIFER SARKAR; 2006-2007 - LOUISA TSUI; 2008-09 - OSCAR KWONG; 2009-10 - KIMBERLY CHAN; 2010-11, NAOMI SONOBE

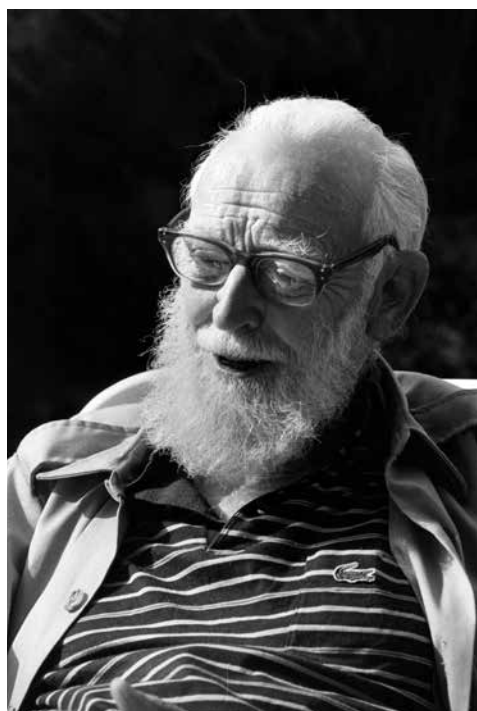
torpor sealed in a wooden box, a Guatemalan mother cradling her dead child, Edith Piaf, Billie Holiday, and the grave of W.B. Yeats. Gallagher calls Yeats her poetic relative and says it is through him that she was “kidnapped by poetry.” His poetry came to her at the age of 18, through her first writing teacher. “It is like how singers pass songs down,” she says. “You pass your favourite poets down to your students.”

UBC creative writing professor Rhea Tregebov, a novelist and poet, met Gallagher at the Vancouver Writers’ Festival in 2010. By then, Tregebov had been reading the poet since the 70s, and credits her with inspiring a confidence to write in what was then a male-dominated world of poetry and prose. Tregebov invited the poet to visit her UBC class at a time that coincided with the launch of Gallagher’s latest poetry collection *Midnight’s Lantern*, recently released by Blood Axe Press. “I love that name,” Gallagher says to the class, “a bloody dripping axe cutting through everybody’s resistance to poetry.” The eight students seated around the table haven’t any aversion to poems. Many are doing their manuscript-length theses in verse. Emily Davidson, a graduate student in her third year, says she is attempting to complete a collection of poetry between 40 and 60 pages in length. “The page is where we go to make sense of being alive,” she says. But the process is slow-going. That is because, as Gallagher reminds the students, writing is rewriting. Gallagher’s late husband, Carver, was a celebrated short-story writer who lived by this basic rule. “Consider the moment of revision,” Gallagher says, “to have the equal possibility of creation.” Sowing these seeds in new writers is important because, like love, writing is easy to fall into. It is the sustaining and nurturing that is the challenge.

On the wall just outside the Creative Writing Program’s office are some words from Birney. “The feeling of companionship and helping young writers to survive and mature still sustains me,” he’s quoted as saying. This sentiment has found form not only in “the house that Birney built,” as the program at UBC has come to be known, but also in an extension program that takes creative writing MFA students into high schools where, instead of getting advice from established writers like Gallagher, they are the ones imparting the poetic and literary insight.

The New Shoots program is an educational collaboration between the UBC Creative

Writing Program and the Vancouver School Board (VSB). For the last 27 years, graduate students have been paired with high school teachers and invited into secondary school classrooms as creative writing mentors. Past New Shoots mentors have included Billeh Nickerson, Charlotte Gill and Andrew Westolle,



“The feeling of companionship and helping young writers to survive and mature still sustains me.”

– EARLE BIRNEY

recent recipient of the Charles Taylor Prize for Literary non-fiction. Mentors work with high school students on submissions for the *New Shoots* anthology: a collection of poems, stories and original cover art by secondary students, selected and organized by a team of UBC student editors.

This year will see the publication of the 27th volume of *New Shoots*. Natalie Thompson, a

prairie poet and graduate student in Tregebov’s class, is the program’s coordinator and says this year was the biggest ever for New Shoots, with 14 UBC students placed at 13 high schools across Vancouver. Her VSB counterpart, Ian MacLeod, a teacher at David Thompson Secondary School, has been involved with New Shoots since 1995. He says the program is important because it teaches students to use words to express themselves. “There are so many sides of ourselves that we pack away,” he explains, but New Shoots allows students space to investigate things in their lives that are challenging. “One girl explored honour killing,” MacLeod remembers. “It was very chilling what she wrote.”

Evelyn Lau, Vancouver’s current poet laureate, remembers high school as “the death knell” for anyone who was different as a teenager, “especially for the creative brooding literary types.” Lau’s parents had their sights set on their daughter as a doctor, but from a very early age the poet knew she needed to write. “A lot of writers feel it but don’t trust it,” she says. Lau had poetry published in the *New Shoots* anthology the year before she ran away from home. She was 13. “Nobody takes you seriously at that age,” says Lau, whose first poem was published when she was 12. “When you start out you need validation and I was always looking for that.” Lau recalls being brutally determined and hungry for constructive criticism. She was fortunate enough to find one teacher, Robert Best, who read her critically and taught her not to be satisfied with early drafts.

Gene Derreth, a UBC alumnus and teacher at Vancouver Technical School, says that high school poetry is full of emotion but often lacks imagery. Then there are the vampire stories, lots of them. “But who am I to judge?” he says, noting he can’t ask the students to write like Raymond Carver but he can ask: “did I see any evidence of editing?” Unlike other schools across the district, Van Tech offers a suite of writing classes, and Derreth teaches them all. He asked New Shoots mentor, MFA student Ajay Mehra, to do one-on-one consultations with the students. “They work extra hard with the person from UBC,” says Derreth. Van Tech has a Poetry Cafe, an annual event started by Derreth, now in its seventh year. The 2012 Poetry Cafe took place in February and sold out days in advance of the event. Apparently, poetry is not yet dead.

On the walls of the fourth floor of Buchanan E, the words of Earle Birney speak to why poetry

persists: “None of us wants to live but to affirm life. We all need the therapy of fancy and play, honest emotion, pity, laughter, joy. Especially the joy. That comes when the words move someone else from mere living to being Alive, Alive-Oh.”

A student from Tregebov’s class in Bucanan E asks Gallagher about her ability to dance with agile grace around issues of sentimentality. In the hands of an inexperienced poet, sentimentality becomes sloppy soup but Gallagher easily incorporates nostalgic imagery to tear-jerking effect. The images are visitations, Gallagher

The 2012 Poetry Cafe took place in February and sold out days in advance of the event. Apparently, poetry is not yet dead.

explains. We use words to remind us of the wordless ways we are touched, she tells the students, but adds caution by quoting Flannery O’Connor: No tears in the writer, no tears in the reader. Whether through poetry or song, theatre or film, everyone has, if even for a fleeting moment, been transported, touched, transformed. Then you are pulled out of the reverie and on you go back to the world of weighty affairs. “That reasoning part bears down on us so heavily,” says Gallagher to Tregebov’s students after reading “Prayer for Nettles” by Romanian poet Lilliana Ursu, “but there is an underworld that poetry borrows from that is so important to us.” That nether world allows Gallagher to co-translate Ursu’s poetry, with Adam Sorkin, even though she doesn’t speak Romanian. “I cannot tell you how that is true,” Gallagher explains, “but I could get the resonance and the spirit just like you can when you hear Edith Piaf sing in French.” The students sigh audibly in recognition. Ah, poetry. ①

A poem written by Vancouver Poet Laureate Evelyn Lau when she was a teenager participating in the New Shoots program:

Sun

BY EVELYN LAU

Sun!

explosion of light defying darkness
heat blossoming corroding

shadow
shadow imitating man
shadow flung from symmetry
wild precise.

Sun!

sky lights up

sun casting dreams
dreams of brightness in little men;
sun to scorch and sun to warm
sun reflection in stranger’s eyes

brushing fire
illuminating
creating

Sun!

No world without magic light.

A poem from this year’s anthology by Isabelle Fau from Eric Hamber Secondary

The World is a Forest

BY ISABELLE FAU

The world is a forest,
A sea of evergreens and dogwoods—
Some trees in clumps,
Others wanderers
Collecting their own rays of sun
Alone in a meadow.
How I dream of wandering,
My roots having space to
Reach
Grow
Unfurl
Into the vast earth that must be tapped
Of all its knowledge and mysteries.
I want to feel the sun on my face,
The wind in my leaves,
And the birds rest on my boughs.
Instead I rest under the shade
Of larger oaks,
Their thick branches
Only filtering some light
And residual raindrops.
One day
I shall walk in flowers
With a patch of sunlight
All my own.

UBC Grapevine

ubcgrapevine.net

UBC Creative Writing’s online magazine includes information on local book launches, book clubs, volunteer opportunities and alumni news.

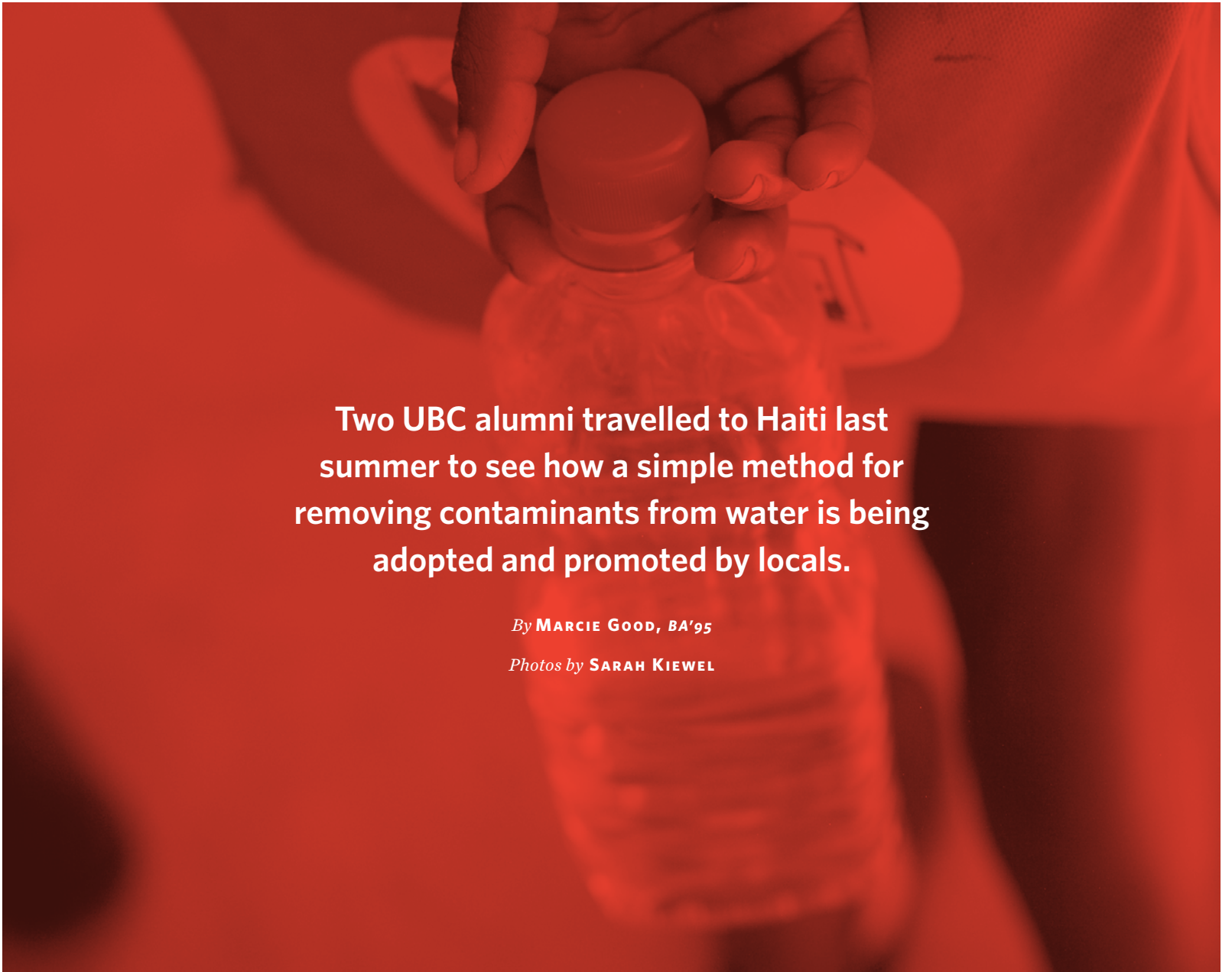
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UBC Continuing Studies offer a selection of creative writing programs, including one for teens.



THE WATER SCHOOL



Two UBC alumni travelled to Haiti last summer to see how a simple method for removing contaminants from water is being adopted and promoted by locals.

By **MARCIE GOOD, BA'95**

Photos by **SARAH KIEWEL**

SEATED ON A PLANE in Miami bound for Port-au-Prince, I'm watching teams of people walk down the aisle, each wearing their group's distinct T-shirt. The logos include: Habitat for Humanity, Rotary International, Mission Possible, Running Water for Haiti, Firefighters for Christ, and Change the World. The latter shirt is worn by members of a large Texas church, and on the back it has a list of the year's missions with dates like a concert shirt. I point it out to my companion, Bradley Pierik, who recently defended his master's thesis at UBC in chemical engineering. He nods. "Notice it doesn't specify, 'Change for the better.'"

Pierik is very aware of the dubious track record of international aid. He studies water treatment, and he's here in his role as research scientist for The Water School. The Canadian non-profit organization promotes a method so simple it's hard to believe: fill a plastic pop bottle with water and leave it on a hard surface in the sun for one day. It's called solar disinfection, or SODIS: the sun's ultraviolet rays kill microorganisms in contaminated water and make it safe to drink.

My dad is a good friend of Robert Dell, one of the Water School's founders. Dell introduced me to Pierik and suggested I go along with him to Haiti to learn about the work. From the first time I heard about The Water School, I was fascinated. Anyone who has been to a developing country knows about the devastating impacts of waterborne disease. A solution using available resources, sunlight and plastic bottles, seems brilliantly easy. But development work, I quickly learn, is not.

American doctor and anthropologist Paul Farmer has written extensively about the devastating consequences of foreign intervention and aid to Haiti. In the years before the January 2010 earthquake, the country had become "a veritable 'Republic of NGOs,' home to a proliferation of goodwill that did little or nothing to strengthen the public sector." As the armies of idealistic youth and earnest church members file past, I'm reminded of his warning in *Haiti After the Earthquake*, that the generous outpouring of help risks being squandered by that same dysfunctional system of humanitarian aid.

Enoch Firmin, the six-foot-five director of The Water School in Haiti, meets us at the airport in Port-au-Prince. If anyone scares you, he tells us, just smile, and his gentle manner demonstrates that theory. He translates for us and explains



In the years before the January 2010 earthquake, the country had become "a veritable 'Republic of NGOs,' home to a proliferation of goodwill that did little or nothing to strengthen the public sector."

some of the complexities of Haitian culture. Many of his friends moved to the US, but he chose to stay here, and he has a tough-love attitude towards his struggling country. People living in the tent cities of Port-au-Prince, he says, are staying there for the free food and services they get from foreign organizations. Even out in remote places, the ever-changing parade of aid workers has made for uneasy relations. "Development work here can't be done by white people," he tells us, "because the Haitians think 'ah, there's money there.'"

We take a flight to Firmin's home in the northern city of Cap Haitien, and then head east in a Pathfinder to visit the village of Mombin Crochu, where The Water School has done extensive work. The road starts out promising as a flat paved highway, becomes gravel, and then as we begin the ascent up the mountain, tire tracks on muddy soil. It's enclosed on both sides almost the entire way by a lattice-like plant, a relative of the pineapple. We cross bridges flowing with knee-deep water, follow switchbacks, and once creep along the edge of a sharp drop-off while a loaded bus brushes our rear-view mirror on the inside.

We only stop to discuss the wisest route through stretches of mud, and the 67-km trip takes almost four hours. "We're Haiti per cent of the way there," we assure each other, continuing a riff that began on our first day when we ate a

pizza drizzled with Cheez Whiz. You can only be Haiti per cent sure of anything here, especially customer service.

"Is my bag on the plane?" we heard a woman ask the domestic airline worker.

"Yes," he said.

"Do you promise?" she asked.

"No."

Along the way, small groups of women walk toward the market in town, with bulging bags balanced on their heads or strapped to a donkey: mangoes, sticks, peanuts, lentils. At times there are magnificent views of green hillsides marked with small farms. The homes in Mombin Crochu (Crooked Tree) are just off a main pathway, and children run en masse from one home to another. Most people here subsist on small farming operations, the kind of living that consistently ranks this country's economy as the poorest in the Western hemisphere. But although there are problems – teenage pregnancy, inadequate health care, the treacherous road to Cap Haitien – this village doesn't have the desperation evident in the slums of Port-au-Prince. People whose children have moved to New York City or Miami



It's so simple it's hard to believe: fill a plastic pop bottle with water and leave it on a hard surface in the sun for one day.

prefer to stay here. One man laughs when I ask if there is crime. "Do you see any policemen?" he asks.

We visit several homes, small thatched huts kept so meticulously that the soil around them is swept. Children are often responsible for the family's drinking water, and they fill up containers at nearby wells and lay them in the ridges of corrugated steel roofs or on flat tables.

One woman with tight short braids brings stools out of her home for us, and picks up a small girl who is crying at the sight of the intruders. "I know the importance of clean water," she explains, gesturing to an older girl whose left eye is unfocused. She thinks her daughter had typhoid fever as a baby, and it affected her vision.

Now, she teaches women to use SODIS as part of a prenatal course.

Holding the small child who is still clutching her blouse, she describes an essentially modern program, from conception to child care, including nutrition and maternal health. There used to be deaths in childbirth, but now women are encouraged to go to clinics. Sometimes, women don't want to do the proper thing because of certain voodoo beliefs. "So we deal with that," she says. In a few short minutes she has us spellbound. "Do you deliver babies?" Pierik asks, and she emphatically shakes her head, because she doesn't have the proper

qualifications. "But I can," she adds, with a self-assured wave of her hand that tells us why she, and not an outsider, should be doing development work here.

The Water School was founded by Robert Dell, a retired water chemist who ran Dell Tech Laboratories, a chemical regulatory compliance company, for 21 years. After a trip to Kenya in 2001, he began researching water treatment technologies that could be useful in Africa, and came across solar disinfection. The method had been studied extensively by a Swiss aquatic research institute (EAWAG), and after his own field work in Uganda, Dell made some further simplifications to the process. The Water School works in five countries, and maintains a "train-the-trainer" approach, so that teachers or other leaders promote the method to their own community.

As an undergraduate engineering student at University of Toronto, Pierik spent a summer in Africa working for a church organization and digging wells. The next year, while working at a large Canadian water treatment company, he met Dell, who later asked him to work for the Water School. He completed a thesis project on various aspects of the science of solar disinfection. At UBC he built a sunlight simulator and wrote his master's thesis on the effectiveness of using plastic bags instead of bottles. The idea proved successful, and several other organizations that promote SODIS are now looking at using bags

for treating water in disaster relief because they are easy to transport.

Pierik has studied many methods of disinfection, and often finds that great ideas work well in the lab but not in practice. His favourite part of his job is traveling to places like this and meeting the people who use the technology.

After dinner, Firmin takes us to a small guesthouse of a Catholic church for a meeting with several local men. They include Jonas Leclerc, a pastor and school teacher who has been teaching SODIS in his own community further up the mountain. A petite man in a ball cap and polo shirt, Leclerc waited by a phone for most of the day to hear news of Pierik's arrival, and then hitched a two-hour ride on the back of a motorcycle down the rugged path to meet him.

Leclerc has much to say: people like SODIS because they prefer the taste to water treated with chlorine tablets, and because it's free. "I don't want to go too far," he says in Creole. "But SODIS is the answer to a lot of our water problems."

It's a cautious but ringing endorsement in a place with more than its fair share of water problems. Even before the 2010 cholera epidemic, introduced by UN peacekeeping troops responding to the earthquake, Haiti's water security and quality was declared the worst in the hemisphere. The villages here have public faucets, but the spring water that flows down the mountain to a cistern needs to be



This is the perfect situation: a pull from the community rather than a push from the organization.

AS DIRECTOR OF THE WATER SCHOOL IN HAITI, ENOCH FIRMIN (CENTRE) IS INTRODUCING LOCAL COMMUNITIES TO SOLAR DISINFECTION.

treated. The cholera outbreak affected this area, but there were no cases in the villages where people used SODIS.

One of his challenges, Leclerc explains, is that there are many organizations promoting other methods of disinfection. Just recently, people from another NGO dropped off a load of water filters. They stayed for ten minutes to explain the process and then left. The filter has a life-span of perhaps a year, and there's no guarantee the same group will be back. The local people are tired of getting different instructions.

"When I'm doing the training," Leclerc

explains, "some people say SODIS is lies. They ask thousands of questions to make me uncomfortable. What I need now is more training so I know what SODIS is, so I can answer."

Pierik nods. The goal of the Water School, he explains, is not that everyone uses SODIS, it's that everyone has clean water. He thinks it important to acknowledge the strengths of other technologies, while also describing the strengths of SODIS. "Every technology has strengths," he says. "The most important measure is how well it works in a community."

By that standard, Leclerc has found success.

He began to teach SODIS in his own village, and eventually worked his way into eight others, an area encompassing about 18,000 people. Pierik is fascinated. He assures Leclerc that he will give him more scientific information, including studies on positive health impacts in communities that use SODIS.

"It sounds like you had a demand," he says, and Leclerc nods. This is the perfect situation: a pull from the community rather than a push from the organization. "So why is that?" he asks. Leclerc shrugs. "It's so simple and anybody can do it," he says. "Sometimes you receive grants to do water projects but sometimes you don't. So what do you do? With the Water School you don't need a grant."

The point sticks in my mind as we drive down the mountain the next day, and Pierik and Firmin discuss how to make the Water School more sustainable. What appeals to me about their work is the light-handedness of it, the relative invisibility of people like Pierik and Robert Dell. I think of Jonas Leclerc heading the other direction on the back of a motorcycle, passing women carrying sticks and lentils, armed only with knowledge and passion for this beautiful place. ●



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After years of hiding his struggles with mental illness, Michael Schratte, BSc'96, BEd'99, MEd'07, decided it was time to tackle the stigma he was trying so hard to avoid. So he got on his bike and told everyone he'd be back in a few months.

What kind of person would bicycle around the world yelling that he is crazy? A crazy person. Obviously.

My name is Michael Schratte and I am bipolar. I also happen to be a Canadian Jew, a teacher, a part-time journalist, a fiancé, a brother, and a son. But it is the label of mental illness that carries the most weight.

In my opinion, there is no other human affliction still so misunderstood, feared, and ultimately stigmatized. And it is this stigma, along with the prejudice so often encountered by the mentally ill, that is perhaps the greatest issue when it comes to recovery.

Imagine returning to work after a sick leave with a cast on your broken arm. You can expect sympathy, humorous get-well cards, and support

from your colleagues. Now imagine yourself returning to work and telling them you were away because of a schizophrenic episode, or a debilitating anxiety attack, or some other onset of acute mental illness. I'm sure you'll agree that the same social support needed to expedite your healing might not be so readily present. There is also a serious possibility that such forthrightness has jeopardized your future social and professional opportunities, and you are more likely to be ostracized. (A common misconception about people with mental illness is that we're either dangerous, or at best weird and unemployable.)

A few months before I started the science degree program at UBC in 1993 my father was killed in a bicycle accident. I began university – what should have been an exciting new period of

my life – dealing with major anxiety and depression. I eventually succumbed to a manic episode that left me hospitalized, but also set me on the long road to recovery and self-awareness. UBC's Student Health Services provided me with easy and quick access to the professional help I needed, allowing me to persevere and complete my schooling. After graduating with a degree in biology, followed by another in education, I became a school teacher with the Vancouver School Board.

The psychiatrist I saw when I was a student practiced out of the UBC Hospital and helped a lot of other young adults grappling with mental illnesses and tough academic demands. Knowing I wasn't alone – that there were other students on campus dealing with similar issues – was extremely comforting and took the edge off my fears for the future. And yet on a social level I was still guarded about what I was going through. For as long as I can remember, the fear of being seen as "crazy," of being outed as "crazy," has had me spend enormous amounts of emotional energy in remaining hidden.

As the hyper-social animals we are, it is essential to feel support and empathy when we are hurt. Whether dealing with a physical or psychiatric setback, study after study shows that when we feel support and empathy from those around us during our period of healing we tend to recover faster and to a fuller extent. And yet, regrettably, there is an argument to be made that when suffering with mental illness you might be better off keeping your mouth shut about it, or at least be very selective in choosing who to tell.

It was while dealing with the social repercussions of the manic episode at UBC that I realized the absurd injustice behind my secretive behavior. This inspired a plan to cycle around the world and draw attention to the damaging affects of the stigma surrounding mental illness. *Ride Don't Hide* was born. Everyone in my social sphere would know that I was bipolar. Once started, there was no turning back. Why? Because I believe that if we talk about the stigma it will begin to disappear. If we can share the common story of how mental illness affects so many lives, we will see it for what it is: a variation of the human condition.

Cycling as a form of travel was introduced to me by my parents and we enjoyed several family bike trips together in BC and Europe while I was growing up. After my father died, I sought solitude in a solo bike trip across Canada. Upon reaching the shores of Newfoundland, I decided that some day I would cycle around the world. (Apparently, wanderlust has been with me since childhood – a time my mother confesses she nearly sewed address labels into all my clothing so I could always be returned.)

On August 1, 2010, I set out from Vancouver to cycle the equatorial distance of 40,000 km around the planet, a journey that would take me across six continents and 33 countries, and present me with 31 flat tires. The school board granted me a leave and the newspaper *Vancouver 24H* published a biweekly mental illness awareness column that I wrote from the road. I also partnered with the Canadian Mental Health Association BC (CMHABC). My colleagues there worked hard to create awareness of the *Ride Don't Hide* campaign with many successful fundraising efforts.

They say behind every great man there is a great woman. Well I'd say that behind every crazy man there is an extraordinary woman. The fact that I was able to complete the ride, the fact

that the campaign reached any level of legitimacy and made any difference whatsoever has everything to do with my partner, Deborah So. Not only did Deborah encourage me to follow my dreams and take the risk, she basically ran the campaign from the corner of her desk while working full-time. On May 12, 2011, after she'd joined me for a month's cycling through Asia, we were engaged in Hong Kong.

So what did I learn from the ride? Perhaps it has something to do with being on a bicycle, but no matter where I went people were friendly and helpful. And outside a few harrowing incidents with traffic, never did I feel in danger. Ultimately,

If I were a weak person, I wouldn't have had the mental strength it required to cycle 16 months, day in, day out ...

I learned that the world is a safe and kind place and I think all we want is just a little respect, we all need a little love. And a person dealing with mental illness is no different.

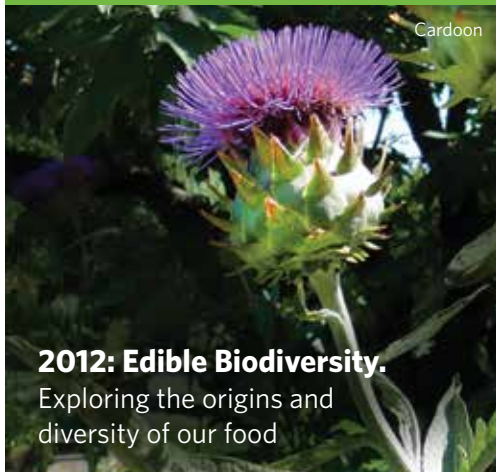
Having a mental illness has nothing to do with being weak of mind, of bad character or a moral failure. It is a biological affliction like any other. I think for me the greatest triumph of completing *Ride Don't Hide* was to prove that point. If I were a weak person, I wouldn't have had the mental strength it required to cycle 16 months, day in, day out, regardless of the challenges presented by weather, geography and loneliness.

To adequately describe how I felt cycling into Vancouver on the last day of *Ride Don't Hide* on November 12, 2011, 469 days after I'd set off is beyond me. Some two hundred cyclists came out that day to ride with me from Tsawwassen to downtown Vancouver. With a police escort leading us the whole way, we arrived wet but safe to a cheering crowd of several hundred waiting for us at Rogers Arena stadium.

I was free.

Months later, after many speaking engagements in schools and businesses, and dozens of interviews in newspapers, TV, and on the radio, I am proud to say that *Ride Don't Hide* has helped to

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SCHRATTER RETURNED TO VANCOUVER WITH AN ESCORT OF 200 CYCLISTS.

diminish the misunderstanding that surrounds mental illness. The campaign has also raised nearly \$90,000 in funds towards CMHA BC's youth education programs.

I continue to be involved with the association's mental health awareness initiatives and am working with them to have *Ride Don't Hide* become an annual mental health awareness community ride here in Vancouver and across many BC communities. And I was recently appointed to the Ministry of Social Development's Council on Employment and Accessibility.

Although my life with mental illness has been tough at times it is certainly nothing to pity. In some ways I believe that being bipolar has allowed me to persevere and find wells of determination in me that might not have been apparent otherwise. And one thing I am very sure of: being bipolar has made me a much more empathetic man. ●

On June 24, Ride Don't Hide will team up with CMHA Vancouver - Burnaby in their annual community bike ride. Everyone is welcome. (www.vancouver-burnaby.cmha.bc.ca)



Early Alert Initiative

Student mental health is fundamental to learning and UBC has made it a goal to create a campus community that promotes wellbeing. To this end, the university has launched a new program called Early Alert, which will provide better support for students through early identification of issues, appropriate referral, and timely intervention.

Using the new program, professors and staff members identify troubling changes in a student's habits. Trained advisors review the confidential information and if it looks as though a student might need assistance, an advisor will get in touch with him or her to discuss the concerns.

There are more than 45,000 students on campus. It can be difficult to know if issues like decreased attendance, a few bad marks or a change in mood is a temporary behaviour or a sign of a broader academic, financial or mental health problem.

"Too often faculty and staff see a concern and are not sure how to best support students," says Janet Teasdale, senior director of Student Development and Services. "The Early Alert approach offers a more coordinated response by providing a care plan and point of connection for each concern."

Early Alert is part of a broader initiative to enhance student experience and wellbeing by improving how the university supports students across a range of services. This could mean helping students prevent problems from occurring, or offering timely and coordinated services to prevent problems from becoming overwhelming.

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Campaign Update

\$194,100,157

GIVEN TO UBC IN 2011/12, FROM 19,302 DIFFERENT DONORS

35,051

ALUMNI ENGAGED WITH THE UNIVERSITY IN 2011/2012



The past year has been a momentous one for UBC as, together with our donors and alumni, we launched the most ambitious fundraising and alumni engagement campaign in Canadian history. The *start an evolution* campaign aims to raise \$1.5 billion dollars for students, research and community engagement and to double the number of alumni involved annually in the life of the university by 2015.

startanevolution.ca

We have made tremendous progress in our first year of the public phase of the campaign, raising \$194 million in 2011/12 – making a total of \$900 million so far – and engaging 35,000 alumni over the same period. 2,500 alumni donated their time and skill as volunteers. It is an inspiring start that will keep us focused on the enormous task we still have ahead.

UBC alumni are perfectly placed to help their university realize its ambitions: to improve our world through innovative community partnerships; to support the student experience; and to act as advocates and ambassadors. Whether you are attending an event, mentoring a student, serving in an advisory capacity, or donating to a project that is close to your heart, I urge you to stay invested in your university.

This year's Report on Giving (you can read it at reportongiving.ca) does not focus only on numbers, but on the effect those numbers have had and the lives we have touched together. It's full of stories of how our donors, many of them alumni, have helped to make changes. Most of these stories are about individuals, and how their lives have been affected by the work we do at UBC. But more than that, they're about communities, about how our community of donors and alumni has joined with the university to build a better future here in British Columbia and around the world.

Thank you for your continuing support of UBC.

Professor Stephen J. Toope
President and Vice-Chancellor

Inspired to Give Back



It's a start I'll never forget," states Marya Sopova when asked about the housing and living assistance provided by UBC. For Marya, the opportunity to complete her education marked the beginning of a transformative journey as a special education teacher. This extraordinary educator has now paid it forward by establishing a new bursary for single mothers in the Faculty of Education.

Marya was a stay at home mom when she divorced in the 1970s. "I was given \$350 per month in alimony to cover rent, food, and clothing for three children, and I didn't know what to do," she explains. "I had no formal training for employment."

Although Marya wanted to return to university and complete her education, the prospect looked bleak. At a friend's suggestion, she presented her story to the Dean of Women. "I was given a two bedroom townhouse at Oyama Court right on campus," says Marya. "I couldn't get over the fact I had a place to live, and I could continue with my education."

Two years later, Marya was employed by the Langley School District as one of the first special education teachers in BC. She showed a natural talent for unlocking the imagination, energy, and curiosity children possess.

Five years after that, she applied to the Ministry of Education's Go North plan and was seconded to teach in Lower Post and Good Hope Lake. "While many of the children possessed remarkable skills, their literacy levels were

"I couldn't get over the fact I had a place to live, and I could continue with my education."

far below average," explains Marya. By making her lessons culturally relevant, Marya worked with her students' interests and strengths in an attempt to improve their reading challenges. After one year she was offered the post of principal in Good Hope Lake.

Marya eventually returned to Langley where she worked until retirement. Along the way she touched numerous lives, enabling students to improve themselves through the gift of education. Today, Marya remains a powerful advocate for literacy and education.

"Graduating from UBC has given me a life I never imagined," emphasizes Marya. "And that's the reason for creating this bursary - I wanted to give back what was given to me. My desire is to inspire others to donate funds or establish bursaries for students in need, so they may also realize the joy of becoming productive citizens."

REPORT ON GIVING

Donor-funded awards provided support to 4,636 students - 8.2% of our total student body. 1,335 of these students may not have been able to attend UBC without this support.



IN 2011/12, 19,302 DONORS GENEROUSLY GAVE:

\$194,100,157

These gifts have allowed UBC to make significant investments in:

\$60,481,816	RESEARCH
\$66,583,746	ACADEMIC ENDOWMENTS & PROGRAMS
\$20,007,544	STUDENT SCHOLARSHIPS & BURSARIES (ANNUAL & ENDOWED)
\$47,027,051	FACILITIES, EQUIPMENT & COLLECTIONS

startanevolution.ca

2011/2012 ALUMNI ENGAGEMENT

We are pleased to have surpassed the 2011/12 alumni engagement goal for the campaign with 35,051 alumni engaged in a way we can measure. There are a myriad of ways alumni are engaged, from simply sharing their address with us to mentoring a student. Here is a snap shot:

35,051 alumni engaged in a measurable way:

- » 13,000 ATTENDED AN EVENT
- » 12,000 UBC ALUMNI LINKED IN GROUP MEMBERS
- » 11,907 MADE A DONATION
- » 7,000 FACEBOOK UBC ALUMNI GROUP MEMBERS
- » 5,824 COMPLETED A SURVEY
- » 2,800 ASKED FOR ACARDS
- » 2,500 VOLUNTEERED
- » 2,500 #UBCALUMNI TWITTER FOLLOWERS
- » 1761 UBC DIALOGUE PODCAST DOWN-LOADERS
- » 1,193 ATTENDED A REUNION

Over 100,000 alumni email addresses

THESE ALUMNI GET TREK ONLINE AND EVENT INVITATIONS.

Over 200,000 addressable alumni

THESE ALUMNI RECEIVE TREK MAGAZINE AND TARGETED MAILINGS

Partnering with UBC



Maureen Jack-LaCroix, BA'74, discovered her passion for protecting the environment while studying at UBC, but wasn't sure of the best way to help. She has since found her calling and now collaborates with UBC students to promote responsible habits at the grassroots level.

"An intergenerational mix is key to the changes that are coming about right now," says Jack-LaCroix, who is the founder of Be The Change Earth Alliance, (BTC) a non-profit charitable organization that encourages people to make sustainable and just lifestyle choices through programming in schools, communities and the workplace.

"I had significant environmental concerns while in school but I didn't feel empowered to share them. It took a while to develop my voice." So she is helping current UBC students to find theirs sooner.

Jack-LaCroix's organization has partnered with UBC-Community Learning Initiative to provide valuable community-based learning experiences for third year Sociology students studying natural resource issues. They mentored students from John Oliver High School working with BTC's Student Leadership in Sustainability program. By facilitating weekly Action Circles on environmental concerns and discussing different steps they could take to raise awareness of ecology in school and at home, students influenced a number of actions including everything from turning off the lights at lunch hour, to locating recycling bins beside garbage cans, to asking parents to buy low flush toilets.

The university students not only encouraged awareness and the adoption

"Be The Change has really benefitted from the energy, enthusiasm, optimism and intelligence of bright young people."

of good habits, but gained insight into how change takes place in a real-world setting and what some of the obstacles are. "Right now we're in the midst of a significant shift in worldview," said Jack-LaCroix. "It's one thing to theorize about these changes. It's another thing entirely to work with people and support them to create real change."

In addition to partnering with the sociology students, Jack-LaCroix hosted two interns from the Faculty of Arts Internship Program and worked with students in the Sauder School of Business on developing a social media plan to raise awareness about the use of disposable cups. "Be The Change has really benefitted from the energy, enthusiasm, optimism and intelligence of bright young people," she says, "I highly recommend that other organizations get involved with UBC and its students."

Through these creative partnerships with UBC, Jack-LaCroix hopes to encourage the next generation to voice their concerns. "Politicians respond to voters and corporations respond to consumers," she says. "Although individual changes may seem insignificant, we can have a huge influence when we make conscious choices in alignment with our values." ❶

We're here, we're there, we're everywhere!

No matter where you are in the world, chances are there are other UBC alumni living nearby. With more than 50 alumni branches, we make it easy to stay connected whether you're living in Calgary or Kuala Lumpur. Below are some of the locations that hosted UBC alumni events in the last three months.



- Discussed the concept of mental space in New York City
- Volunteered at the Vanier Cup tailgate party at the newly renovated BC Sports Hall of Fame (Vancouver)
- Attended a performance of Vancouver Opera's production *Roméo et Juliette*, featuring alumna Simone Osborne
- Discussed the meaning of *The Medium is the Message* at UBC Alumni Book Club social
- Attended a champagne reception celebrating the 50th anniversary of the UBC Department of Asian Studies
- Socialized with fellow alumni and U of T grads living in the San Francisco Bay Area
- Celebrated the launch of UBC's *start an evolution* campaign in Asia (Hong Kong, Shanghai, Beijing)
- Enjoyed a yuletide celebration with fellow UBC alumni in London
- Hiked the Dragon's Back trail in Hong Kong
- Discussed the media's role in creating ideals around body image (North Vancouver)
- Learned how to develop a sensible debt-management strategy (Vancouver)
- Joined fellow UBC alumni for a "Pit Night" mixer in Montreal
- Played some dream golf at the 6th Annual UBC Desert Classic Golf Tournament in Palm Springs
- Celebrated the inaugural UBC Faculty of Education Alumni Teacher Award
- Discussed Calgary as a potential leader of political and social change (Calgary)
- Joined Toronto-based alumni for a performance of Michael Ende's *The Neverending Story* at Young People's Theatre in Toronto
- Mingled with Shanghai-based alumni at the 4th Annual Canadian Inter-University Alumni Mixer
- Learned about breakthroughs in Cancer Prevention at panel discussions in Vancouver and the Okanagan
- Celebrated the 50th anniversary of the law class of 1962 with a tour of Allard Hall, Law's new home on campus
- Met other Forestry alumni and headed out to UBC's Malcolm Knapp Research Forest near Maple Ridge
- Attended the UBC Law Alumni Association Achievement Awards ceremony at the Four Seasons Hotel in Vancouver.
- Discussed sustainable living at the Evergreen Cultural Centre in Coquitlam
- Networked with Denver-based UBC alumni at an evening reception
- Witnessed entrepreneurship at its best at SPARK's UBC's Hot Companies Event (Vancouver)
- Cheered on the Vancouver Whitecaps FC as they battled DC United at BC Place (Vancouver)
- Joined grads from other Canadian universities for a reception in Washington, DC
- Bowled with finesse at UBC Alumni Bowling Night in London
- Enjoyed a walk down memory lane at the UBC Chemistry Alumni Reunion (Vancouver)
- Reconnected with fellow alumni at UBC Alumni Happy Hour in New York City
- Joined Sauder Business Club of Greater China for an UBC alumni mixer with members of the Beijing business community
- Discussed the pros and cons of legalizing marijuana (Burnaby)
- Polished off Papa Lynch's chili dogs at the ICAN Invitational Curling Bonspiel Title in Richmond
- Looked at ways of overcoming the generational divide in British Columbia (Victoria)
- Enjoyed dinner and drinks with Indonesia-based UBC alumni
- Attended the Great Trekker Luncheon in Toronto
- Joined the BC Alumni Network and friends of British Columbia in Korea at a reception hosted by Premier Christy Clark in Seoul
- Attended a Tiki-themed UBC Dentistry annual alumni reception in Vancouver



Give yourself an edge on the competition. The Next Step event series helps recent grads transition successfully from campus to workplace.

The Next Step: Your Okanagan Career

JUNE 12 · Kelowna

The Next Step: A Great First Impression

SEPTEMBER · Toronto

The Next Step: Educating your Palate

JULY 25 · Vancouver

The Next Step: A Great First Impression

OCTOBER 3 · Vancouver

The Next Step: Building Your Calgary Network

JUNE 19 · Calgary

For more information, or to find out about more The Next Step, visit www.alumni.ubc.ca/nextstep



Nothing's black and white when it comes to this event series. Provocative questions attract a multitude of opinions. What's yours?

Educators, fundraisers, child advocates: Are teachers expected to do it all?

SEPTEMBER 18 · Lower Mainland/Vancouver

Are we eating sustainably? Can we afford not to?

SEPTEMBER 29 · UBC's Okanagan campus (part of Community Day events)

For more information, or to find out about more UBC Dialogues, visit www.alumni.ubc.ca/dialogues

HOMECOMING 2012

It's time to crack open the face paints. Homecoming will be taking place on September 15 on the Vancouver campus. Details coming soon.

VANCOUVER SPECIAL

On April 4, Professor Scott Watson, BA'75, MA'77, and Anne Pearson, BA'00, MArch'06, hosted the first New School/Old School alumni event at Anne's store, Vancouver Special. The event brought together more than 30 Art History, Visual Arts and Theory alumni. Ian Wallace, BA'66, MA'68, D. Litt'10, was the guest speaker and shared his stories of the time he spent at UBC and how important it was to his career as an artist. If you are interested in reconnecting with Art History and Visual Arts alumni or hosting a future event, please contact laura.quilici@ubc.ca.



**November 14
Vancouver**

The 2012 UBC Alumni Achievement Awards will be held on November 14 at the Four Seasons Hotel in Vancouver. The recipients will be announced this summer. www.alumni.ubc.ca/events/awards.

AGELESS PURSUITS

Ageless Pursuits is a popular summer lecture series offered by UBC Continuing Studies each June. Participants select two morning courses from four options each week, and sign up for one or more weeks of fascinating lectures on a wide variety of topics, lively discussion and shared enquiry. The 2012 series runs June 4-29, Monday-Friday, 9:30am-noon; UBC Point Grey. \$95+tax, (age 55+), \$135+tax (under age 55). Classes take place at the UBC Vancouver Point Grey campus. Lectures in this year's line-up include: The Holocaust Revisited; Cities in Our Time: Moscow; The Voices of Jazz; The New Testament in Western Art; Psychology of Connectedness; The Causes of War; Origin and Function of Superstitions; Centuries of Time Around the Salish Sea; Nine European University Towns; and much more. View the complete 2012 Ageless Pursuits schedule at cstudies.ubc.ca/ageless or inquire by phone at 604.822.1444. **UBC Alumni who register for a UBC Continuing Studies summer institute are eligible for an exclusive special offer and other special summer events.** View cstudies.ubc.ca/alumni-summer for details.

**Call for Nominations:
UBC HONORARY DEGREES**

Nominate a worthy individual who has made a substantial contribution to society.

Any member of the public or the University communities may submit nominations, which that are valid for a period of three years.

Nominations accepted on an on-going basis

Nominate an individual today
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Click on the UBC Okanagan Senate or UBC Vancouver Senate.



a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA

Long Time, No UBC... what have you been up to lately?

Let your old classmates know what you've been up to since leaving campus. Send your news and photographic evidence to trek.magazine@ubc.ca or UBC Alumni Association, 6251 Cecil Green Park Road, Vancouver, BC V6T 1Z1. (Mail original photos or email high resolution scans – preferably 300 dpi.) Please note that *Trek Magazine* is also published online.

1950s

During his 91-plus years of living, **Roy V. Jackson**, BA'43, has served in chemical warfare research in Ottawa, completed battle training in Ontario (fortunately unfinished when the war ended), completed a course in civil law in McGill, and held a career in international patent law that relocated him to the United States for a more promising future. This included the 1960s and '70s in Greenwich Village and lots of foreign travelling. Retirement after the years of technical writing and those life-changing counter-cultural years in the village led to a second career of studies and writing inspired by the vast and fascinating social changes he observed in his lifetime. Starting about 50 years ago in the counter-cultural 60s, Roy's efforts to find a plausible narrative that could explain what was transforming our world led him to St. Augustine's idea that our history was the education of the human race in the generational stages of our own lives, infancy, childhood, adolescence, adulthood, and maturity. That fractal connection grew into his book, *Growing up in History: A Memoir of Western Civilization*.

On January 17, 2012, it was announced that **Barbara Howard**, BEd'59, is among this year's class of inductees into the BC Sports Hall of Fame. In the late 1930s, Barbara exploded onto the scene as one of the fastest female sprinters in the British Empire. At the age of 17, she ran the 100-yards in a time of 11.2 seconds at the Western Canada British Empire Games trials – beating the games' record by one-tenth of a second. The result earned Barbara a well-deserved spot on Canada's team for the 1938 Commonwealth Games in Sydney. She finished sixth in the 100-yard dash and won a silver and bronze as a member of two relay teams. Barbara was set to compete at the Tokyo Olympics in 1940, but the games were cancelled because of the war and didn't resume for a decade. By then, Barbara's sprinting career was over. After graduating from UBC in 1959, she became a teacher and was much loved by many students. At the age of 91, Barbara remains active in the community spending much of her time socializing at her Burnaby home and at a seniors centre lifting weights, giving massages and conducting peer counseling. Barbara will be formally inducted on September 20, 2012.

1960s

Dr. Pullikattil Chacko Simon, MSc'60, celebrated his 99th birthday on March 1, 2012. Dr. Simon worked as a pathologist and research microbiologist at the Canada Department of Agriculture Animal Pathology Laboratory. He has published many scientific papers, and has contributed to a four volume text book on the infectious diseases of animals, *Handbuch der bakteriellen Infektionen bei Tieren*. Dr. Simon's charitable work includes helping to found The Hatfield Society, a non-profit organization that provides scholarships to students from low income families in the Greater Vancouver Area, and the Chacko and Lize Simon Scholarship Fund – a fund that provides scholarships to students from poor families in his native state of Kerala, India. To date, some 3000 scholarships have been awarded. Not content to relax in his retirement, he continues to write and has published 42 articles and two books.

In 1964 **Gerry Taylor**, BSc'63, MSc'67, left his provincial fisheries biologist position in Victoria to enroll in UBC's Institute of Fisheries. Gerry completed his master's degree while working part-time at the Fish and Wildlife Branch, as it was known then. Gerry was assigned to the northern region of BC and worked out of Smithers until early 1969. At the time, industrial developments such as hydro electric projects, natural gas and oil exploration, pipelines, logging, mineral exploration and mines, and highways construction were accelerating in the north. Consequently, early efforts were necessarily confined to identifying urgent inventory needs, providing habitat protection guidelines to industry, and introducing a systematic way of recording basic fish inventory. For the next 15 years Gerry was involved with developing specialized habitat restoration and enhancement techniques, which were applied to interior trout lakes and streams and, under the major Salmonid Enhancement Program, coastal steelhead streams. He then served for eight years as a manager responsible for recreational fisheries management and spent the remainder of his career as an



FRANCES WELWOOD HAS REALIZED A LIFELONG AMBITION BY PUBLISHING A BOOK.

ITCHY'S ALPHABET IS A LINE OF EDUCATIONAL MATERIALS DEVELOPED BY BRENDA LARSON.

inter-agency liaison. After enjoying a 34-year career, Gerry retired in 1997, but continued consulting in basic fish biology for an additional five years. Gerry and his wife, Lynne, have been world travellers for over 40 years, having visited backpacking and trekking areas in Switzerland, Scotland, Peru, Bolivia, Nepal, New Zealand, Australia, South Africa, Hawaii, Newfoundland and most of BC, including 19 trips in the Rockies. Gerry is still fishing for steelhead since his start in 1952!

Frances Clay Welwood, BA'64, BLS'66, a Nelson, BC, resident for 42 years and 2001 Citizen of the year, realized a lifetime ambition and wrote a book. Her novel, *Passing Through Missing Pages: the intriguing story of Annie Garland Foster [1875-1974]*, is the culmination of twenty years' of research, inquiry and writing. In addition to being Nelson's first elected female alderman in 1920, Annie Foster was also a teacher, nurse, war widow, journalist, biographer of Pauline Johnston and social activist. Frances uncovers the mystery to which Mrs. Foster alluded to, but dismissed from her own memoir written in 1939.

Since leaving UBC, **Percy Marshall**, BASc'67, has enjoyed a rewarding 44-year career specializing in engineering, project management, sales and marketing, research, management and consulting that has taken him across Canada and overseas. To date, he has published more than 90 articles.

On February 3, 2012, **Philip Allingham**, BA'68, PhD'88, was the sole Canadian presenter at the Dickens 2012 Bicentennial Conference in Paris. His paper was entitled: *Dickens and the Idea of the Dickensian: A Tale of Four Cities*. Philip was also one of the few Canadians who attended a wreath-laying ceremony at Westminster Abbey on February 7, 2012, celebrating the 200th anniversary of Charles Dickens' birth. In addition to being the contributing editor of The Victorian Website and editorial consultant to *The Dickens Magazine*, Philip is an associate professor, Faculty of Education and adjunct professor, Department of English, at Lakehead University.

1970s

Although **Brenda Larson** (née Pugsley), BEd'71, (MEd'79, Gonzaga University, Spokane WA), retired in 2006 from a 34-year teaching career in Vancouver, Langley and Kelowna, she has remained active in education. Brenda has been presenting teacher workshops throughout North America as well as expanding and marketing her *Itchy's Alphabet* line of educational materials, a unique program designed to teach letter sounds and letter formations. Each picture cue in the shape of the letter brings a visual/concrete connection to learning these auditory/abstract skills. In January 2011, a research project supporting the effectiveness of *Itchy's Alphabet* ("Teaching Letter-Sound Connections With Picture Mnemonics: *Itchy's Alphabet* and Early Decoding") was published in the peer reviewed journal, *Preventing School Failure*. Brenda spent most of 2011 developing a French and Spanish component for the *Itchy's Alphabet* program which are available on her website, www.itchysalphabet.com

Christman Lee, BEd'73, was inducted into the Softball BC Hall of Fame on October 15, 2011, as an official, becoming the first Chinese

Canadian to receive this accolade. Prior to his retirement in 2009, highlights of his 30-year officiating career included umpiring the 1996 International Softball Federation Men's World Fastpitch Championship in Midland, Michigan; the 1999 Pan American Games in Winnipeg; and the 2003 Pan American Games in Santo Domingo, Dominican Republic. Christman was also a secondary school teacher for 35 years, teaching in Nakusp, West Vancouver and Delta.

Marion Pollack, BA'74, retired in 2012 after years of activism in the Canadian Union of Postal workers and the women's movement. She is currently a board member of the Canadian Research Institute for the Advancement of Women and CoDevelopment Canada.

Margaret Evans (née Bacon), BScN'75, recently published her book, *Could it Really be Something They Ate?* (Balboa Press, 2011), which addresses food sensitivities in children. The book aims to educate people about how a simple change in a child's diet can often eliminate a multitude of troubling symptoms, and also guide parents in making changes in the midst of their busy lives. As a registered



Margaret Evans



Marjorie Simmins

nurse in both pediatric oncology and neonatal intensive care, Margaret has worked with hundreds of families over the last 25 years, supporting them through food and health-related challenges. Margaret's business, Dynamic Choices Family Wellness, was established to help families find solutions to the physical and behavioral challenges of their children. Margaret lives in Vancouver with her four children, three grand-children, and husband, Ken. More information is available at www.foodsensitivechildren.com

Each year, The Pierre Elliott Trudeau Foundation appoints up to 10 Mentors for its mentorship program. The program seeks to forge intellectual and personal bonds between renowned Canadians with extensive experience in public life, and young, talented PhD students. This year two UBC alumni are amongst the 10 appointed Mentors: involved in Aboriginal and environmental issues, **Paul Kariya**, BA'75, MA, PhD, is currently the executive director of the Clean Energy Association of British Columbia and was previously the

executive director of the Pacific Salmon Foundation, the CEO of Fisheries Renewal BC, and the executive director of the BC Treaty Commission. And **Cindy Blackstock**, BA'88, PhD, a member of the Gitksan Nation in BC, has worked in the field of child and family services for more than 20 years, is the executive director of the First Nations Child and Family Caring Society of Canada and an associate professor at the University of Alberta.

On February 9, 2012, **Larry Beasley**, MA'76, was recognized for his contributions to the Vancouver design community and awarded the Interior Designers of Canada and International Interior Design Association Leadership Award of Excellence. He is a fellow of the Canadian Institute of Planners, an honorary member of the Canadian Society of Landscape Architects and has been recognized as an "Advocate for Architecture" by the Royal Architectural Institute of Canada. In 2004, he was made a Member of the Order of Canada for his leadership role in reshaping Vancouver's downtown core into a vibrant, urban community, known as the "Vancouver Model."

1980s

Congratulations to **Dr. Rao V.S.V. Vadlamudi**, MSc'80, PhD'83, for his recent appointment as director of St. Peter's Institute of Pharmaceutical Sciences in Warangal, India. Dr. Vadlamudi completed his BPharm'73 and MPharm'76, from Andhra University, Visakhapatnam, before completing his degrees in Pharmacology and Toxicology from the Faculty of Pharmaceutical Sciences at UBC. He has held previous positions including reader in pharmacology, University Department of Chemical Technology (UDCT) (1984-89); professor in pharmacology, Bombay College of Pharmacy (BCP) (1989-90); visiting lecturer at UDCT/BCP (1990-2002); and director, BCP (2004-07). Dr. Vadlamudi's career began in the '90s initially as the principal research scientist at Hoechst Research (1990-1992) followed by head of pharmacology at the Hoechst Marion Roussel Research Center (1992-98). He was then head of pharmacology at the Nicholas Piramal Research Centre (1998-2002); VP, Discovery Biology, Seven Life Sciences (2002-04); VP and principal fellow, Nektar Therapeutics India Private Limited, Hyderabad (2006-2011); and Sr. VP, Life Sciences, at Vimta

Labs Ltd, Hyderabad (Mar 2011- Oct 2011). He also serves as editor of the Indian Journal of Pharmaceutical Sciences. He has authored and co-authored 25 research publications, 20 poster and oral presentations and delivered more than 50 invited lectures on various topics related to drug discovery and development, scientific writing and careers for pharmacy graduates. He was the recipient of the Fellow of the Indian Pharmaceutical Association award in 2000, Dr. B. N. Ghosh Memorial Oration Award of the Indian Pharmacological Society in 2005 and the Prof. M. L. Khorana Memorial Lecture Award 2009 of the IPA.

Even in retirement, **Rika Ruebsaat**, BA'81, and her husband, **Jon Bartlett**, BA'75, continue to keep busy with their involvement in a variety of pursuits, including the recent publication of a book, *Dead Horse on the Tulameen: Settler Verse from BC's Similkameen Valley*. The book presents a unique approach to local history in that it is based on a collection of verses drawn from the pages of Similkameen Valley newspapers between the



Drew Young

years 1900 and 1945. The verses were submitted to the paper by local residents and concern daily life in the valley over the years. The poems and songs in the book are supported by extensive historical background and archival photographs. Rika and Jon have been singing together since 1975, focusing especially on the songs of British Columbia made by settlers, loggers, miners and fishers. They have worked extensively with Phil Thomas, whose collection of folk books is housed in the Phil Thomas Collection in UBC Library's Special Collections, and have produced four CDs of Canadian songs.

Drew Young, BA'82, received the 2011 Canadian Institute for Theatre Technology (CITT) award, which recognizes an individual's longstanding career achievement as an educator in a technical or related discipline, while preparing students for work within the Canadian live performance industry. Drew, who graduated from UBC Theatre, helped to establish the Stagecraft and Event Technology program at Douglas College in 1987 and has been program coordinator ever since. The unique program offers a two-year diploma that

prepares graduates to work in theatre, special events, film or television.

Colleen Hardwick, BA'83, is the CEO and founder of PlaceSpeak, a company that connects people's online identities with their residential addresses so that they can voice their opinions electronically in a wide variety of forums. The company most recently hosted the 2012 Urban Futures Survey (UFS) – PlaceSpeak uses geoverification to identify what census tract each respondent is coming from. The UFS is the third iteration of a UBC-led longitudinal data survey used to gauge how the opinions of Metro Vancouverites change over time. The first survey was spearheaded by Colleen's father, UBC professor Walter G. Hardwick, in 1973 and the second was completed in 1990. The survey will allow communities to forecast and anticipate the needs and desires of the Lower Mainland's 2.1 million residents.

On August 2, 2010, **Gail Lin Joe**, BEd'83, MEd'85, successfully passed her oral defense for her doctorate of education degree from Simon Fraser University with the doctoral

dissertation entitled: *Capturing the Practical Wisdom of Retired School Principals*.

In May 2012, **Marjorie Simmins**, BA'84, received a Master's of Arts Research (Education) from Mount Saint Vincent University in Halifax. For the degree, Marjorie studied the history and current forms of memoir and included her own memoir of the past fifteen years living in the Maritimes in her thesis. Marjorie was raised in Vancouver and spent most of the 1990s working as a freelance writer and copy editor. She wrote a number of articles for *Trek* magazine, including her first article, "After the BA," which was published in *Trek's* predecessor, *The Chronicle*, in 1990. Her writings have been published in leading newspapers and numerous provincial and national magazines. Her essay, "Trips from There to Here," a memoir published in *Saturday Night* magazine, won a Gold Medal at the 1994 National Magazine Awards. In 1997, Marjorie moved to Cape Breton and soon after married the

Maritimes, or more correctly, married a Maritimer. She enjoys writing about the dazzling diversity of differences between Canada's lateral coasts and embraces all things East Coast from Digby scallops to the Cape Breton Highlands. She refers to herself as a west coast woman whose heart has discovered that it has many homes. Marjorie currently teaches memoir writing in and around Halifax and is a member of the Writers Federation of Nova Scotia.

Cathy Chan (LeDuc), PhD'85, and **Pat Chan**, MBA'85, recently enjoyed a holiday to India and England that turned into a UBC alumni reunion. In Delhi, they enjoyed catching up with **Barun Mohanty**, MBA'85, and **Ranjani Iyer Mohanty**, MBA'85. Barun is now the managing director, International, and director, India, at the Michael & Susan Dell Foundation, and Ranjani is a freelance writer and editor whose articles have appeared in publications around the world. In Dehradun, near the



Chris Gorman



Christian Dy



Sandra Garcia

1990s

foothills of the Himalayas, Pat and Cathy enjoyed a wonderful traditional Indian dinner at the home of Rajeev and **Suman Nangia**, *PhD'80*. Suman, along with her daughter, Vasundhara, operate an educational and psychological consulting business. On the return journey Pat and Cathy stopped in London to visit with Jane and **Kevin Rush**, *MBA'81*. Cathy and Pat currently reside in Edmonton, where Cathy is on faculty at the University of Alberta.

Jason Farris, *BSc'89*, has authored and published his fourth book, *Behind the Moves: NHL General Managers Tell how Winners are Built*. The book is based on in-person interviews with 35 NHL GMs – collectively representing over 500 seasons of NHL GM experience – who have taken a team to the Stanley Cup final. Toronto Maple Leafs GM, Brian Burke, penned the book's foreword.

After receiving four degrees at UBC, **Christian Dy**, *BASc'94, BEd'95, MA'02, MBA'08*, has been successful in two careers: teaching and financial management. In 2003 he received an Outstanding BC Teaching Award, and in 2008 he took over his father's financial practice after completing his MBA. In his 20s, Christian spent a lot of time in developing countries – Zimbabwe, the Philippines, Vietnam, Cambodia, Nicaragua and Guatemala – participating in and leading education and health projects. In July 2010, he brought 17 volunteers to Guatemala, most of whom were university students, to work on building and education projects involving sponsorship for abused women and children. The volunteers then travelled and explored the surrounding areas on their own, learning about the region and various cultures – an experience he refers to as voluntourism. He plans on recruiting and leading teams to developing countries throughout his career. Christian lives with his wife and three daughters on the North Shore.

In October 2011, **James Hooper**, *MA'98*, was elected president of the British Columbia School Counsellors Association, which advocates for the enhancement and high quality of counselling in BC schools. After

studying at Manitoba, McGill and Carleton and working as a reporter and editor with the *Toronto Star*, James migrated west and enrolled in UBC's secondary education program in 1976. Upon graduation, he taught with the Maple Ridge school board for almost two decades and then returned to UBC where he received his MA in counselling psychology in 1998. James has been an elementary counsellor in Maple Ridge since 1999.

UBC Alumni Association board member, **Chris Gorman**, *BA'99, MBA'09*, was elected a trustee on the Board of Education for School District No. 23 (Central Okanagan) – the fifth largest School District in British Columbia – on November 19, 2011. Chris was elected by colleagues to serve as vice-chair, chair of the board's Finance and Legal Committee, and member of the Planning and Facilities Committee. Prior to his election, Chris worked as executive assistant to Canada's Minister of Foreign Affairs, the Honourable Peter MacKay, *PC, QC, MP*, and in various roles in the international shipping and insurance industries in Canada and the United States. Chris resides in Kelowna with his wife, Elizabeth and two daughters, Isabelle (four) and Naomi (one).

2000s

James D. Kondopulos, *BCom'00, LLB'03*, recently became a partner at the Vancouver-based employment and labour law boutique, Roper Greyell LLP.

Dr. Jill A Miwa, *BSc'00*, is part of the international research team led by Professor Michelle Simmons at the University of New South Wales in Australia that has created a working transistor consisting of a single atom placed precisely in a silicon crystal. The research letter, "A single-atom transistor," was recently published in the *Journal Nature Nanotechnology*. Dr. Miwa – the only Canadian on the team – is currently working in the Department of Physics and Astronomy at Aarhus University in Denmark.

Since graduating from UBC with a degree in English, **Sandra Garcia**, *BA'05*, has established a career as an independent publicist and public relations consultant in Vancouver. In addition to being a member of the Forum for Women Entrepreneurs, she is the festival director and acting secretary on the board of directors of the Vancouver Short Film Festival Society, along with board members **Spencer Kent**, *BCom'10*, **Valerie Warner**, *BA'07(Hon)*, director of legal affairs, and founder, **Brian Danin**, *BFA'07*.



Tyler Mifflin and his brother, Alex

2010s

Mitchell (Mitch) Wilson, BSF'10, is currently a Forester in Training with the Association of British Columbia Forest Professionals and has been working as a forest engineer on the BC Coast for the past two years. Now he's part of a team that's establishing a tree nursery in Mahenge, Tanzania. Mitch initially travelled to Tanzania in 2004 with Dr. Louise Jelik-Aall, founder of the Mahenge Epilepsy Clinic. He returned in 2009 to research the potential for a community tree nursery as part of his forestry degree at UBC. A team determined to see the desperately-needed nursery materialize was formed, and the Ulanga District Tree Nursery (UDTN) was established. The nursery is being managed by local university-trained forest professionals from the Ulanga District Council and will supply 100,000 seedlings annually for the local community. Last September, 13,000 tree seedlings were sponsored by small Canadian businesses and individuals. The seedlings are currently growing at the nursery, and will be distributed to the community for planting in November 2012 when the rainy season begins. With hopes of improving livelihoods and sustainability in developing forest-dependent communities, Mitch is now undertaking an MSc in Tropical Forestry at the Dresden Technical University in Germany. For more information about the UDTN, please visit www.udtn.org.

Concerned with rising student debt, a team of post-secondary students, including UBC alumna, **Dawn Sheirzad, MBA'05**, created the online student network, LocAZu (www.locazu.com). It allows students from across Canada to connect with one another by sharing study material and campus events, evaluating professors and courses, and trading textbooks. LocAZu is active at 72 campuses across the country with over 350,000 total postings.

Michelle Lei, IMBA'06, and her sister, Judy, have founded Light Activewear – active wear apparel for yoga, hot yoga, pole, gym, dance, and fun. The locally-designed apparel is available for sale in Canada, the United States, and Asia. (www.lightactivewear.com)

Jacqueline Gow, BA'08, and her business partner, Barrett McBride, have recently started a business in Santiago, Chile. Localisto provides a tech service in the form of an app

for city agencies in the US to contact community members on important local projects. The goal of the project is to leverage a community's group voice and help it to be heard by local governments, developers and urban planners to build better community communication and dialogue.

Tyler Mifflin, BFA'08, and his brother, Alex Mifflin, are the hosts of *The Water Brothers*, a six-part documentary television series from SK Films that explores the challenges facing water – earth's most precious resource – and the challenges humans face in managing freshwater and ocean resources sustainably. The idea to embark on this project arose when Tyler and Alex started working together on IMAX projects at SK Films in 2009. Tyler had just received his degree in film

production from UBC and Alex was an environmental/international studies graduate from Dalhousie. One of the unique aspects of this series is that Alex and Tyler are effectively creating this series on their own. Alex is the lead researcher, co-writer and co-host, and Tyler is co-host, director and co-producer. The first season takes viewers to destinations around the world, including the mighty Mekong River in South East Asia, the frozen Arctic Circle, the disappearing coral reefs of the Caribbean and the Carp-infested waters of the Mississippi and Illinois Rivers. Episodes can be viewed online at: www.thewaterbrothers.ca.



Honours Night for Thunderbirds

TERRY O'MALLEY OF THE 1963 HOCKEY TEAM (OTHER INDUCTEE IN TEAM CATEGORY) ADDRESSES CROWD ON BEHALF OF HIS TEAM MATES. O'MALLEY'S OLYMPIC HOCKEY CAREER SPANNED 16 YEARS - 1964, 68 AND 1980 AS A 39-YEAR-OLD. HE LATER COACHED UBC HOCKEY TEAM.

The Big Block Awards and Sports Hall of Fame Induction Dinner on April 4 was replete with sights and sounds of UBC Thunderbirds past and present, but the statement that might have been the most poignant of all went unheard by the 900-plus in attendance.

"All for one, and one for all, forever," said football alumnus **David Sidoo** after the induction of his coach, **Frank Smith**, during which Sidoo and 12 former team mates took the stage to stand behind the rock-solid 80-year-old icon in a display of allegiance. The most successful football coach in UBC history, Smith's acceptance speech moved the crowd from hilarity ("I can remember the entire roster of the 1947 New York Yankees but I can't recall what I had for breakfast") to heartfelt solemnity when acknowledging his late son and successor ("God bless you Casey").

Many other moving recollections of yesteryear were offered up, including classically understated remarks by 1963 hockey team member, humanitarian and three-time Olympian **Terry O'Malley**. Then there was 1960 oarsman **Bill McKerlich**, who expressed inexhaustible pride in being part of a scrappy crew of students who

came ever so close to winning gold medals in the 1960 Rome Olympics. One of Canada's top international soccer goaltenders, **Pat Onstad**, couldn't make the party due to coaching responsibilities with MSL's DC United, but his mother and father stood in admirably, particularly when **Cindy Onstad** reminded some 600 student-athletes of the role their parents may have played in their success.

Former volleyball superstar **Tom Jones'** dignified acceptance speech set the tone for those that followed, including that of Richmond Olympic Oval Volleyball Centre of Excellence head coach **Joanne Ross**, who appeared overjoyed to be introduced as simply one of the greatest athletes in UBC history. **Tracey Lipp-Derheim's** children, husband and parents beamed while the former Canadian Ladies Amateur Golf champion thanked them and her university for supporting what she modestly avoided admitting was a stellar playing career. Current Thunderbird coach **Deb Huband** graciously accepted on behalf of basketball pioneer **Barbara Robertson**, and a large crowd of hockey alumni grandly feted former men's athletic director **Rick Noonan**, who conveyed fond memories of more than four decades of supporting student-athletes.

The evening began appropriately with a spectacular sunset upon the floor-to-ceiling windows of the Vancouver Convention Centre, and culminated with the annual athletic awards hardware being handed out to another cadre of extraordinary students. MC and volleyball alumna **Emily Cordonier** skilfully managed proceedings; associate athletic director **Theresa Hanson** described a vintage year that included four CIS national championships; and football alumnus **Atlee James** produced many a celebratory video, including one to salute retiring women's field hockey coach **Hash Kanjee**. Somewhere in the middle of it all, the announcement (within mere metres of the Vancouver 2010 cauldron) that five UBC swimmers had qualified for the 2012 Olympic Games contributed additional wow factor. All in all, the year-ending soiree was one for the ages.

Eight days later, UBC Athletics associate director of development **Steve Tuckwood** threw open the doors of the long awaited **UBC Sports Hall of Fame** in the Doug Mitchell Thunderbird Sports Centre and welcomed a crowd of some 100 inductees and guests. The hall displays photos and memorabilia of a century of varsity sport, unifying in perpetuity the collective footsteps of an otherwise diverse body of accomplished alumni - "all for one, and one for all, forever."



2011-12 ATHLETIC AWARDS WINNERS



Jarrid Ireland
MALE ROOKIE OF THE YEAR

Tera Van Beilen
FEMALE ROOKIE OF THE YEAR

Women's Swimming
DU VIVIER TEAM OF THE YEAR

Hayley Pipher and Alexandra Leask
**THUNDERBIRD ATHLETIC COUNCIL
 BUZZ MOORE LEADERSHIP AWARD**

Kylie Barros and Robyn Pendleton
**MARILYN POMFRET TROPHY
 (OUTSTANDING FEMALE ATHLETES)**

Billy Greene and Tommy Gossland
**BUS PHILLIPS MEMORIAL TROPHY
 (OUTSTANDING MALE ATHLETE)**

Martha McCabe and Kyla Richey
**MAY BROWN TROPHY
 (OUTSTANDING GRADUATING FEMALE ATHLETE)**

Andrew Robb
**BOBBY GAUL MEMORIAL TROPHY
 (OUTSTANDING GRADUATING MALE ATHLETE)**

2012 HALL OF FAME INDUCTEES

Rick Noonan and Frank Smith
BUILDER CATEGORY

Tom Jones, Joanne Ross,
 Tracey Lipp-Derheim, Pat Onstad
 and Barbara Robertson
ATHLETE CATEGORY

1960 Men's Eight Rowing Crew
 and 1962-63 hockey team
TEAM CATEGORY

Are you going to the games?

We're collecting stories from the UBC community about the 2012 London Olympic and Paralympic Summer Games. If you're heading to London, or know of any other alumni who will be participating, please let us know at trek.magazine@alumni.ubc.ca or 604.822.3313 / 800.883.3088.

LONDON CALLING

A total of five current UBC Thunderbird swimmers and two alumni have qualified to compete in the London 2012 Olympic Games. The UBC contingent includes CIS Female Swimmer of the Year **Savannah King** (400 and 800-metre freestyle); CIS Male Swimmer of the Year **Tommy Gossland** (4x100 metre freestyle relay); World Championship bronze medalist **Martha McCabe** (200 metre breaststroke); CIS Rookie-of-the-Year **Tera Van Beilen** (100 and 200 metre breaststroke) and **Heather MacLean** (4x100 metre freestyle relay).

At the recent Olympic trials in Montreal, Van Beilen and McCabe swam the second and third fastest times in the world this year in the women's 200-metre breaststroke, clocking respective times of 2:24.03 and 2:24.81. "We are very excited that five current UBC Thunderbird swimmers and two of our alumni have qualified for the London 2012 Olympics," said UBC head coach **Steve Price**, acknowledging former Thunderbirds **Scott Dickens** and **Brent Hayden** who are also going to London. "It again shows that by combining the assets of our varsity team, club team and the National Swim Centre, our student-athletes can pursue their international and varsity aspirations at the same time." Former UBC swim coach **Tom Johnson** and National Swim Centre colleague **Jozef Nagy** will be on deck as coaches in London, while the National Swim Centre's **Janice Hanan** will make the trek as team

manager. Former UBC rowing coach **Al Morrow** also hopes to be coaching athletes in London, pending the outcome of Olympic trials.

Meanwhile, **Kyla Richey**, who has just completed her fifth year of eligibility on UBC's five-time national champion women's volleyball team, has high hopes to qualify for London along with five of her former UBC team mates. **Marisa Field**, **Claire Hanna**, **Jennifer Hinze**, **Carla Bradstock** and **Liz Cordonier** are all former Thunderbirds who are training with the national team in preparation for the May Olympic qualifying tournament. Recent graduate **Steve Gotch**, meanwhile, has similar hopes with Canada's men's team.

UBC Track and Field coach **Marek Jedrzejek** says former Thunderbird high jumper **Mike Mason** "already has one leg on the plane to London." Mason took top spot in the recent UBC Open by clearing 2.28 metres, meeting the Olympic 'B' standard. To make the Olympic team, Mason must clear the 2.28 mark once more and also finish in the top four at the national championships at the end of June in Calgary. Former T-Bird men's race walker **Inaki Gomez** has to do the same in his event at the national championships in order to qualify. Alumna **Liz Gleadle**, a four-time NAIA champion and current record holder in javelin, also has a very good chance of advancing, as does current Thunderbird thrower **Curtis Moss**. ●



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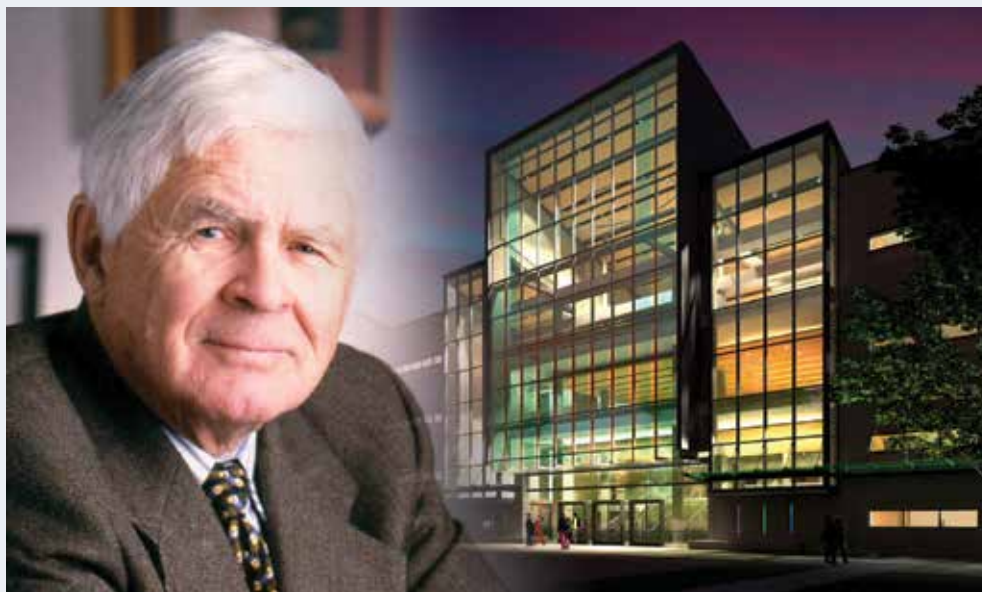
IN MEMORIAM

• Irving K. Barber •

Dr. Irving K. Barber, *BSF'50, OC, OBC*, the principal donor for UBC's Irving K. Barber Learning Centre and a passionate supporter of education and research in British Columbia, passed away peacefully at home on April 13 at the age of 89.

Ike, as he preferred to be called, was born on February 14, 1923, in Edmonton. He first came to UBC in September of 1945, having previously served for five years during World War II with the Royal Canadian Air Force, and graduated with a Bachelor of Science in Forestry in 1950. In 1952, he qualified as a Professional Registered Forester. He was involved in the forest industry in British Columbia for 57 years, working with people at all levels and throughout the province. In 1978, at the age of 55, he founded Slocan Forest Products Ltd. and over the next 23 years built it into one of the leading lumber producers in North America. He retired as chairman in February 2002.

Ike was a visionary thinker with a strong commitment to strengthening BC, improving the quality of life for its residents and providing an enriched university experience for students. He had a life-long belief in the value of education and the importance of access to education, regardless of income, especially in remote communities of the province. He was closely involved with UBC both in Vancouver and in the Okanagan. The Irving K. Barber Learning Centre, to which he donated \$20 million in 2006, remains a world-leading facility and a hub



of the Vancouver campus, and is accessible worldwide. In 2004 he donated \$10 million to establish the Irving K. Barber School of Arts and Sciences and the Irving K. Barber Learning Centre Interface Program at UBC's campus in the Okanagan.

Ike's generosity has been instrumental in establishing programs to promote research, including the creation of the I.K. Barber Enhanced Forestry Laboratory at the University of Northern British Columbia, the Irving K. Barber Diabetes Research Endowment Fund at UBC and the Ike Barber Human Islet Transplant

Laboratory at Vancouver Hospital in partnership with UBC. He received an honorary degree from UBC in 2002.

Dr. Barber's leadership was recognized throughout his career. He received numerous forestry and industry awards, and was appointed to the Order of Canada, the Order of British Columbia and the Canadian Business Hall of Fame.

He is survived by his wife, Jean, whom he married in 1943, his three children, Linda (Brooke) Williams, James (Lynne) Barber and Gregory (Linda) Barber, nine grandchildren and 17 great grandchildren.

*The family has issued an open invitation to a 'Celebration of Life for Irving K Barber' on **Monday June 11, 2012** in the Old Auditorium from 3-4pm. The memorial will be followed by a reception in the Golden Jubilee Room at the Irving K. Barber Learning Centre from 4-5pm. All are welcome to recognize the life of this great Canadian, British Columbian and supporter of UBC. If you are unable to attend in person, the memorial will also be webcast live at www.ikebarberlearningcentre.ubc.ca.*

in
~ MEMORIAM ~

Catherine McDougall Daly
(née *Urquhart*), BA'30

Cath was born October 31, 1910, in Kamloops, BC, and died on February 12, 2012, in Vancouver. She grew up in Rossland and married Dr. J. Stuart Daly, BA'24 (MD *Queen's '27*) in 1936. They moved to Trail, where Cath was actively involved in the community and was a member of many organizations, including the University Women's Club, the Canadian Red Cross, the Hospital Auxiliary, and the East Trail United Church. She was always generous to those in need and dedicated to her family and friends. Predeceased by her husband and eldest daughter Marnie Gayton, she is survived by five children, Elizabeth (Richard) BA'61, Donald (Judith), Jane (Don) BEA'66, Susan (Reimar) MLS'76, and Neil (Lucille), 16 grandchildren and 16 great grandchildren.

Ina MacKirdy (née *Dearing*), BA'41

Ina, who was born in Vancouver and grew up in Point Grey and South Burnaby, passed away on October 10, 2011, at the age of 91. After graduating from UBC in 1941 with a bachelor's degree and teaching certificate, Ina began teaching in North Burnaby. She went on to earn a Bachelor of Library Science from Seattle University and subsequently worked as school librarian in secondary schools in Abbotsford and Powell River.

In 1961, Ina married Harvey MacKirdy, BA'47, BEA'53, and together they had four children: Judy, John, Mark, and Janis. Harvey's career in school administration took the family to Smithers, Terrace, Ladysmith, and finally to Duncan where he worked as superintendent of schools for the Cowichan School District. Ina spent 39 rewarding years in Duncan as a homemaker, active United Church member, and master gardener.

Predeceased by her husband, Harvey, son Mark, and sister Enid Dearing, BA'52, Ina is survived by her three children, five grandchildren, and her sister, Elinor Verkerk.

Archibald Cockburne Bain, BA'42

Archie was born in Vancouver on October 31, 1919, and passed away on June 4, 2010. After receiving his BA and subsequent teacher training in 1942, Archie enlisted in the RCAF. During a short Christmas break, he married fellow student Jean Anderson, BA'40, Dip (Soc WK)'41 on December 24, 1942. Specialized radar training followed immediately at MIT Barton and Corpus Christie, Texas. He was then posted with one other Canadian radar technician to a remote RAF station at Cruden Bay in Scotland.

Archie's five years at UBC were rewarding ones because of the many activities he enjoyed, including the Players Club, Debating Society, History Club, Social Problems Club, Student Christian Movement, and student politics. In first year, he took the lead in *Playboy of the Western World*, then several other roles such as Lord Bingley in *Pride and Prejudice*, followed by some directing – *Trojan Women*, for one. In his graduate year, the Players Club alumni had Archie do an evening of Shakespeare readings with the visiting young Leonard Bernstein – this memorable event was in honour of Leonard, friend of the prominent Buckerfield family. Leonard and Archie made a handsome pair indeed. These extra-curricular activities earned Archie a Literary and Scientific Executive Honorary Award.

At war's end, after teaching for a year in Vancouver schools, Arch made a complete career change. Remarkably, with no farming experience, he decided to apply under the Veteran's Farm Act to purchase an ocean front acreage in Greater Victoria, an area later becoming Central Saanich. This was a bulb-growing area at the time, and Archie became acquainted with the Saanich Peninsula Bulb Growers Association, who employed him as secretary-manager and encouraged him to try to make a go as a bulb grower. This led to building greenhouses and starting the first tropical plant



Archibald Bain

business on Vancouver Island. Archie Bain tropical plants soon began to appear in government and business offices, florist shops throughout the Island, supermarkets and in shipments to the western provinces.

Throughout, Arch continued a lifelong interest in acting, singing and music, and playing guitar and piano. He took several roles in the Victoria Theatre Guild such as *The Heiress*, and *Chekhov's Marriage Proposal* – both plays winning Drama Festival Awards. There were also singing roles in the Victoria Operatic Society, such as *Annie Get Your Gun*, *Oklahoma* and *South Pacific*. Music played a big part in Jean and Archie's home life with their three daughters, Lynne, Lesley and Jill who graduated from the University of Victoria. Lesley and Jill later attended UBC for graduate studies in social work and art history. With a strong belief in the value of any kind of education, they established a scholarship at UVic in social work with a child welfare specialty.

Because the UBC auditorium holds so many memories, a donation was made for its

refurbishment, thus putting Archie's name on one of the beautiful new seats in 2010.

There had been time for travel, often with family, to the UK, Europe, Turkey, Buenos Aires, the United States and Mexico. Truly, Archie found a remarkable and rich balance in life, as student, entrepreneur, actor, musician and much-loved family man. He will be missed forever.

Phyllis Hope Tisdall (née Milligan), BA'43

Phyllis passed away on September 15, 2011, at the age of 88. Raised in Victoria, Phyllis moved with her family to Vancouver so that she and her brother could attend UBC. After graduating, she worked for the City as a social worker. She married her husband, William Hodgetts Tisdall, *BASc'51*, after a whirlwind wartime romance while he was on leave from the Seaforth Highlanders during the Italian campaign of WWII. In 1951, the family moved to Calgary after the oil patch opened. After raising her three children, Phyllis earned a second degree in education and worked for two decades in the Calgary Public School system as a librarian. She is survived by her children, Rob (Polly), Barbara, and Philip (Holly), nine grandchildren and two great granddaughters.

Dr. Ursula Helen Knight Abbott, BASc'49, MSc'50

After a bravely fought battle with cancer, Ursula died at home in Davis, CA, on January 15, 2012. Born in 1927 in Chilliwack, BC, Ursula graduated from Duke of Connaught High School in New Westminster in 1945. At UBC she received her bachelor's degree in agriculture followed by an MSc in poultry and genetics. In 1955, she obtained her PhD in Genetics at University of California, Berkeley. Her career at University of California, Davis, spanned almost 50 years, during which time she travelled extensively and spent time living and working in Italy, France and Washington, DC.

Ursula earned the respect and admiration of her peers and graduate students for her dedication to the study of avian embryo, in particular the advancement of avian developmental genetics, and was chair of the Avian Sciences Department from 1981-1984. In her honour, and on the occasion of her retirement as emeritus professor, the Ursula K. Abbott Symposium on Developmental Genetics and Teratology was held at UC Davis in February, 2004.

Ursula maintained a second home in Vancouver, BC, and spent time there often. She will be remembered by her family, friends and colleagues as a superb conversationalist, an astute business person, and a very independent and adventurous individual. She will be particularly missed by her cousins in Toronto, with whom she spent Christmas for the past 25 years.

She was predeceased by parents, Ruth Agar and Gordon Knight; husband John and son, Michael. She is survived by her son, John Gordon Abbott, and fondly remembered by many cousins in Canada and the United States.

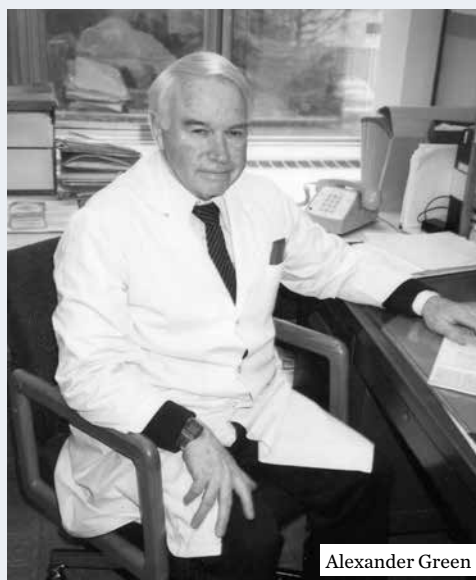
A Celebration of Life was held for Dr. Abbott on May 2 at UC Davis. In her memory, donations may be made to the Knight Family Centenary Scholarship and the Ursula Knight Abbott Travel Scholarship at UBC.

Alexander Green, BSc'50

Alex was born and raised in Nanaimo, where his father, James Green, was a building contractor responsible for City Hall and many other civic structures. Alex learned the art of fixing things from James – a skill that stayed with him until his passing on his 83rd birthday on February 1, 2011, at Vancouver General Hospital.

Alex left the Island to pursue a degree in agriculture. Following graduation, he went to the United States and obtained his MSc in agriculture from Iowa State in 1952. While there, he travelled in the US and Mexico and developed a love of travelling.

He returned to Canada and joined Canada



Alexander Green

Agriculture as a pedologist, conducting soil research in BC and the Yukon, and as an assistant soil surveyor in the provincial soil survey under C.C. Kelley in Kelowna. He then joined the federal soil survey under Laurie Farstad (MSc, Agriculture) at UBC. In the 60s, Alex was involved in the Canada Land Inventory program.

His work fulfilled his love of travel, taking him across the Interior and to the Caribbean. He and his wife, Betty, lived in Trinidad, under secondment to the Imperial College of Tropical Agriculture, and then in Vieux Fort for the soil survey of St. Lucia. From 1978 to 1985, he coordinated the soil survey program for the Tanzania Wheat Farm project in East Africa for the Canadian International Development Agency – a position that allowed him to travel through Europe in his comings and goings from Vancouver to Africa.

When in Vancouver, he served as an adjunct professor of soil sciences at UBC, until retiring in 1991. In retirement, he consulted on soil issues and continued his passion for organic gardening. He also continued the art of fixing things, in his house and also in his garden, where he spent much of his time.

Alex is survived by his wife of 51 years, Betty, children Peter (Yoonhi), David (Sandra), Ian (Daniela), and Martha Molls (Zakary), and grandchildren Brandon, Serena, Luiza, Nicolas, Bianca, Ohana, Jasper, and Charles.

W. Bert (Bern) Gayle, BSF'50

Bert (Bern) was born June 21, 1924, in Salmon Arm and passed away on July 23, 2011, at the age of 87 with his family by his side. He grew up in Powell River and on his 18th birthday joined the RCAF. In 1943, after earning his pilot wings and a commission, he became a flying instructor. A year later, just after D-Day, he was transferred overseas. Based in England, he flew Wellington and Lancaster bombers until the end of the war. Upon returning to BC, Bert attended UBC where he earned his forestry degree and later became a Registered Professional Forester.

Bert worked in the forest industry for 43 years. He began with the BC Forest Service and then moved to the Powell River Company (later Macmillan Bloedel Ltd.). Bert's final 25 working years were spent with Canadian Forest Products Ltd. and he retired in 1989 as vice president and director. Throughout his career he was active in



Bern Gayle

forest-related organizations, serving as president of the Northern Interior Lumberman's Association, vice president of the Junior Forest Wardens of BC, director of the Council of Forest Industries of BC, and a founding director of the BC Forest Alliance. In 1990, he received the Tree of Life Award from the Canadian Institute of Forestry.

Away from the office and into his retirement, he enjoyed swimming and tennis, was an avid boater, gardener, cross-country skier, winemaker and world traveler. He was active with the Gyro Club of Vancouver, The Royal Canadian Legion West Vancouver Branch #60, and was proud of his service with the Air Cadets of West Vancouver.

Bert will be greatly missed by his wife of 63 years, Betty, his son, Warren, daughter Nancy and his many friends and colleagues.

Bruce James Burns, BAsc'50

Born on February 15, 1919, in Edmonton to Roy and Ella Burns, Jim passed away on December 14, 2011.

Jim enlisted in the RCAF during WWII and while attached to the RAF was in charge of radar stations in North Scotland, India and South Asia. He attended UBC following the war and graduated with a degree in electrical engineering. Dedicated to his profession, he spent his working career with Westinghouse Canada in Hamilton, ON, as an outstanding expert in Metalclad Switchgear.

In 1985 Jim and Enid retired to Vancouver Island and spent many happy years enjoying travel, golf, close family life, and community volunteering until his death. A natural athlete,

Jim excelled at hockey, tennis and golf throughout his life.

A dedicated husband, father and grandfather, his life exemplified quiet courage, deep faith, integrity, determination and an abiding love of family. He will be greatly missed by all those whose lives he touched.

Jim was the beloved husband of Enid, his devoted wife of 58 years; father of his loving daughters, Barbara and Roberta and son-in-law Michael Heaven; grandfather to Laura, Marissa and Jessica, and uncle to Burns Maddin and family. He is predeceased by his parents, sister Barbara Maddin and nephew Gordon Maddin.

Raymond Charles Douglas Gould, BAsc'50

Born March 2, 1925, in Camrose, AB, Raymond Charles Douglas died peacefully at home on December 27, 2011. Raymond is survived by his wife of 56 years, Hazel (née McKenzie); daughters Linda (Dave) and Susan (Rob); and son Brian (Lana). He is also survived by his grandchildren, Christine (Christopher), Jason, Keelan, Neva, Annika, and Chloe; great-grandchildren William and Noah; nephews Roderick and Richard Murray and James Coy; brother-in-law Ian Murray; and cousin Pam Puley. He was predeceased by his older sister, Muriel (Ian), who died in 1964.

After moving from Alberta to Vancouver when he was seven, Raymond lived with his family in a duplex in the West End in Vancouver. This is where he developed his interest in swimming, sailing and exploring the North Shore Mountains. Following two years of service with the RCAF near the end of WWII, he attended UBC and in 1950 completed a degree in engineering physics, which subsequently led him to the oil patch in Alberta.

It was in Alberta that he met his lovely tall wife, Hazel, who was also working in the oil business. After marrying in 1955 in Calgary, Raymond and Hazel left their jobs and started the Tall Girl Shop Ltd. retail clothing store for tall women. Their expanding and successful business led them to Toronto in 1986.

In 2009, they retired to Victoria to be closer to family. Raymond lived a full life that included many adventures and travels. These included a solo motorcycle trip around the perimeter of the US in his early 20s; several trips with his family to Hawaii and the Caribbean; and trips to

Australia, New Zealand, Egypt, Fiji, Bali, Thailand, and other exotic destinations. He sailed the Bahamas and Virgin Islands with his family in the late 70s on their 41-foot family sailboat. He had a lifelong passion for aviation and was an accomplished pilot flying small planes, gliders (SSA diamond badge), and model airplanes (built from scratch). He also enjoyed scuba diving, skiing, and swimming. He had a passion for several styles of music, and his love of music was passed on to his children who have gone on to become accomplished musicians.

Hugh J. Goldie, BAsc'53

It is with great sadness and a profound sense of loss that the family of Hugh Goldie announces his passing on November 20, 2011.

Hugh was born November 9, 1929, in Vanderhoof, BC. After receiving his electrical engineering degree at UBC, he joined the Northern Electric Company in Montreal as a development engineer. After receiving his master's from McGill University in 1956, Hugh returned to BC to take a position as an assistant communications and testing supervisor in the Electrical Operating division of BC Electric. Hugh had an impressive and successful career with BC Hydro, joining in 1962 as a communications engineer. In 1966 he moved to senior control and communications engineer and in 1968 he became assistant manager, Systems Planning and Development Engineering division, moving to manager of that division in 1970. Hugh became vice president of Electrical Operations in 1981 and three years



Hugh J. Goldie

later became vice president of Corporate Planning. By his retirement in 1987, he had 30 years of service in the power utility business with BC Hydro and was widely respected in the hydro electric community.

Hugh was a registered professional engineer in BC, an honorary lecturer in the Department of Electrical Engineering at UBC, and a senior member of the Institute of Electrical and Electronics Engineers (IEEE). As chairman of the Vancouver Section of IEEE in 1973, Hugh was very active in bringing the first Power Engineering Society (PES) Summer Power Meeting to Vancouver. In 1979, Hugh took on the chairmanship of the next Summer Power Meeting – a meeting that still holds the record for attendance and number of papers presented. In 1984, Hugh was one of five recipients from the Vancouver Section of IEEE awarded the IEEE Centennial Medal.

Hugh was a devoted husband and father who cherished his family and friends and will be missed dearly. Predeceased by his son, Steven, Hugh is survived by his loving wife of 58 years, Doe, his son, David (Shelley), grandsons David, Mark and Joel, and his sister, Janet Darke.

Donnalene (Dene) May Steven, BASc'53

Born on April 21, 1931, Dene died on January 6, 2012 in Vernon, BC after losing a battle with pulmonary fibrosis. Dene has gone to be with her Lord and Saviour in Heaven and will be dearly missed by her entire family.

Dene was born on the family farm in Swift Current, Saskatchewan, eventually moving with her family to Qualicum Beach on Vancouver Island where she attended high school. In 1951, she married James Steven and in 2011 they celebrated their 60th wedding anniversary.

Dene graduated with honors from UBC as a pharmacist in 1953 and practiced pharmacy until 1987, although she continued to be a wise and studious resource on medical issues for her family and friends. As part of Dene's desire to help people find healthy solutions for life, she was very passionate in her Christian ministry and service for over 50 years.

Dene was very close and dear to her three younger siblings: Dennis Sackett (Anne), Lorraine Jacklin (Buzz), and Suellen Dodd (Alan). Dene was the much loved wife of James Edward Steven, and wonderful mother and friend to her four children, Douglas (Cindy), Debbie, Rik (Ralph) and Janette (Dean). Dene leaves behind her five grandchildren, Shelby (Dan), Courtenay (Morgan), Tyrel, Roxanne, Mathew, and four great-grandchildren, Emily, Avery, Rowan and Wentworth.

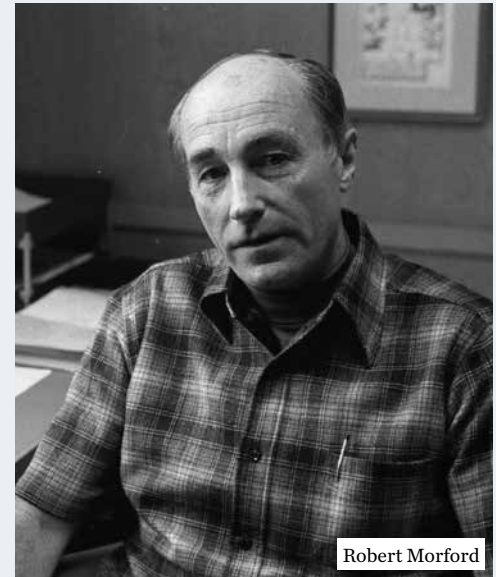
Alexander Harry Lenec, BCom'54

Alex passed away peacefully in White Rock, BC, on December 8, 2011, after a long struggle with diabetes and heart disease. He is survived by his wife, Roxsane Halser-Lenec, BA'82, daughter Sandra, sons James, John, Michael and David, extended families, relatives and friends.

Alex was born on November 21, 1931, in Toronto and grew up in Vancouver. After attending John Oliver High School, he studied commerce at UBC. After graduation, Alex obtained his designation as a chartered accountant. After initially working for Canada's tax department, he went into public practice. Alex developed a keen interest in mining and became president of Pyramid Mining. It is said that Pyramid was the stock that put the Vancouver Stock Exchange on the map in 1965 and introduced people from all walks of life to the stock market. The stock soared above \$15, trading over six million shares in one day! The rich lead-zinc ore body was located on the Pine Point property in the Northwest Territories and was subsequently purchased by Cominco after the stock hit \$20.

The Pyramid story really demonstrates who Alex was – he took risks and always believed there was an upside to everything in life. His positive energy radiated whenever he entered a room and he always cared for the welfare of others.

Although Alex never wanted to “retire,” he did take time to enjoy the sun in Hawaii and Palm Springs. He will be dearly missed, but definitely not forgotten.



Robert Morford, BPE'56, MPE'59

In his early years, Bob Morford's destiny could not have been clearer. Born into a military family of some significance, both his grandfathers were generals in the British Army. Bob himself was decorated by the King after he completed three years in the British Military Police Service, Jungle Company in Malaya where he was born. It was then that fate and happenstance intervened.

When Bob left the protracted conflict between Commonwealth forces and the communist Malayan National Liberation Army in 1952, he was given a ticket on the next boat leaving Malaya. He was told that it was destined for the USA. With no landing or immigration papers, officials in San Francisco told him that there was a train leaving for Canada shortly and that he should be on it. When he arrived in Vancouver with 30 dollars in his pocket, he was told that displaced persons were being recruited for a massive hydroelectric project near Kitimat. Bob signed up and off he went to a remote region where his lifelong love of the British Columbia wilderness was born. Amongst the workers were several UBC students, who encouraged him to accompany them when they returned to classes.

Weeks later, his life took another fortuitous turn. While standing in the registration line-up in UBC's Armouries, he was approached by Physical Education professor and varsity rugby coach, Albert Laithwaite, who was evidently impressed by his imposing physical stature and encouraged him to come try out for the team. He then chanced upon a student named Gerry

Kenyon, who was president of the Physical Education Undergraduate Society. “We got to talking about this and that, and he asked me if I had thought of a career in Physical Education,” recalled Bob recently. “So I gave it a shot.”

He graduated at the top of the class of 1956 and won four Big Block Awards for rugby. Professor Max Howell, who Bob greatly admired, convinced him to pursue graduate studies. Having subsequently been one of the first graduates in the School’s new master’s program, Bob’s keen interest in science and physical activity prompted him to pursue doctoral studies at the University of California-Berkeley. There he specialized in motor learning and performance, and he completed his dissertation under the supervision of Franklin Henry, one of the founders of the academic discipline.

He returned to Canada for a brief time at the University of Alberta, where he was reunited with former UBC Professor Max Howell. He then moved to California State University-Hayward. Teaching motor learning and performance seminars as well as advising graduate students, he followed Henry’s lead and began to focus on the field as a whole, especially its future directions as a discipline. Ultimately, he became the school’s director, and his influence grew as he served as an invited speaker and wrote numerous papers. His rising visibility and achievements were instrumental in his recruitment to the University of Washington in 1973, where he served as chair of a newly formed department, and recruited a wide range of specialists able to advance interdisciplinary teaching and research agendas. During this time his visions for academic kinesiology took shape and his contributions to the discipline garnered much recognition, including his election to the American Academy of Kinesiology.

UBC’s initial attempts to recruit him as director of the School of Physical Education were not successful, but a subsequent telephone call from President Douglas Kenny resulted in negotiations to expand the School’s spectrum of learning and research and ultimately his welcome return to Point Grey. Bob’s vision was to create a school with superb undergraduate and graduate programs. Integrated exercise and sport sciences programs and research agendas were at the top of his list, with important connections to Sport BC and Sport Canada and also to the medical community. The latter

priority resulted in the creation of the Allan McGavin Sports Medicine Clinic.

Often the conversations about Bob stray to his lifelong preoccupation with birding. While at UBC as an undergrad student he took courses in ornithology, which he considered as a career for a time before Max Howell convinced him otherwise. His love for the BC wilderness endured none the less, particularly for the Bowron Lakes region where he maintained a shorefront cabin, and where the still deep waters upon which he plied his canoe mirrored an understated and profound intellect.

When Bob left UBC in 1995 he was recruited by San Francisco State University. Unresolved budget challenges resulted in his prompt resignation as Dean and a paradoxical return to the place of his birth. After serving for nine years as a senior consultant to the National Sports Institute of Malaysia, he retired to Mexico where on March 27 he completed his altogether remarkable journey.

Dale B. Gillis, BCom’57

Born August 15, 1934, Dale died October 27, 2011. Dale leaves to rejoice in his life. He leaves behind his wife, Alison, daughter Marin, son Derek, daughter-in-law Sharon, his dearly beloved grandchildren, Caitlin and Jackson Gillis, sister Aileen Wilkie and his niece, Denise Pew. Great gratitude from Dale’s family is given to Dr. Otto Schussler and Dr. Siva Karunakaran.

Michael John Haggerty, BAsc’60, PhD’64

Mike passed away peacefully at St. James Cottage Hospice in Vancouver on December 15, 2011, at the age of 72. Mike’s career in theoretical physics included being a member of the research team headed by 1977 Nobel Laureate, Ilya Prigogine. In recent years, Mike retired to Vancouver where his many friends included those in his walking clubs.

Predeceased by his parents, Bill and Irene Haggerty, and sister, Robin Pretious, Mike is survived by his children, John, Megan (Greg Cargnelli), Braden (Anthony Dutton); grandsons Sam, Ivo, Declan and Luca Dutton; longtime partner, Sharon; sister, Joan and several nieces and nephews.

The family is grateful for the care and support provided by the staff at Vancouver General Hospital, the Cottage Hospice, and by those who visited Mike during his hospital stay.



Arthur Camerman

Arthur Camerman, BAsc’61, PhD’64

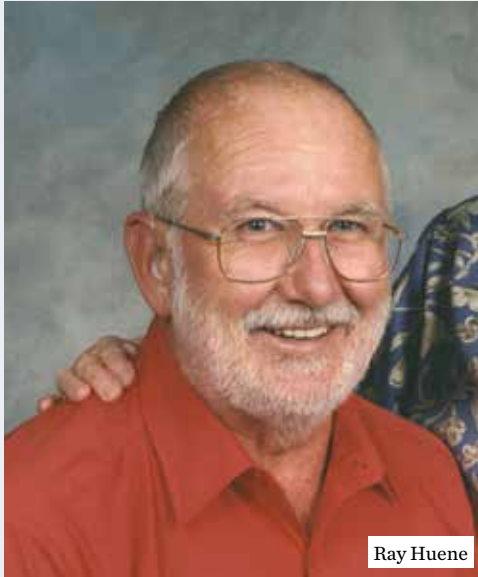
Born April 12, 1937, Arthur passed away on October 23, 2001. A native of Vancouver, Arthur led his graduating class in Chemistry at UBC in 1961, and followed this with a PhD in 1964. His achievements in a career of medical research as a professor at the University of Washington, Seattle, and as cofounder and president of Ardon Research, were recognized by several prestigious research prizes and awards. A scientist and scholar, Arthur was especially noted for his wonderful sense of humour and his warm and caring personality.

After 10 years Arthur is still deeply and sadly missed, and lovingly remembered by his twin brother Norman, his sister Liliane and their families, and by his nieces, nephews and friends.

Igor Rene (Ray) Huene, BCom’61

Born November 24, 1934, Ray died suddenly at home on January 4, 2012. He was a beloved husband for 56 years to Catherine Elliott (née Hannah), and a loving and devoted father to Paul (Twyla), Janet (Heinjo), Claire (Graeme), and Andrea (Stuart). Ray was also grandfather to seven very special grandchildren, aged six to 22 years. Ray is survived by his older brother, Victor.

Ray graduated from the Faculty of Commerce at UBC in 1961. In the early 60s, he held positions within the Government of Alberta, and retired in 1996 from Corporate Properties at the City of Calgary after 25 years of service.

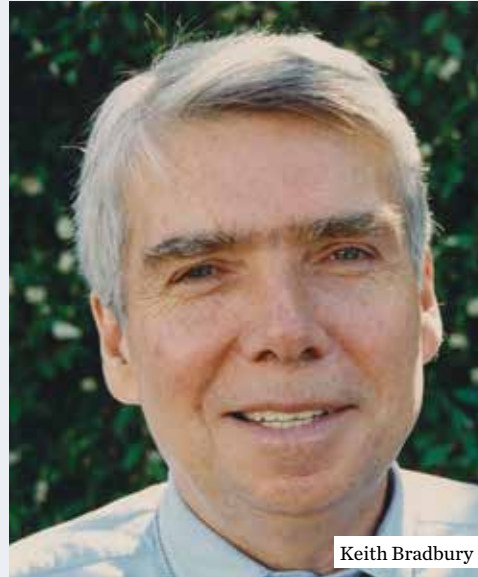


Ray cared deeply about social and environmental issues, and was actively involved with Friends of Medicare, the Council of Canadians, and the Calgary Field Naturalists Society. He was also a lifelong learner and took pleasure in a wide variety of activities, including aviation, scuba, scouting, silver-smithing, Biblical scholarship, bird watching, travel, and outdoor activities of all kinds. Ray volunteered in the community his entire life, including volunteering for the fire department in Delta, BC, the North Haven Community Association, Scouts Canada, and the Summer Village of Ghost Lake.

Stephen John Hetherington, BA'64

On January 19, 2012, beloved husband, father and grandfather went home to be with Jesus after a thankfully brief battle with renal cancer. Steve was a longtime Port Coquitlam resident, and most recently, was living in Oliver, BC. He spent the majority of his career teaching Junior High School in Coquitlam. Steve was a man of service, both to God and to his fellow man. Most recently, he was the President of the Okanagan Gleaners. Steve is survived by his wife, Betty-Jo; sons Eric (Kimberley), Brock (Mary); granddaughters, Abigail and Ainsley; brother, Eugene (Bonnie), and sister Jill.

He was a gifted educator, man of faith and volunteer with the Okanagan Gleaners in Oliver, B.C. He will be truly missed by family and friends.



Keith Lyall Bradbury, BA'66, BA(Law)'69

May 12, 1940-April 27, 2007. Keith was one of the architects of what is unquestionably the greatest success story in Canadian television news history. His career in television began in 1972 at BCTV and marked the beginning of a remarkable evolution of the *News Hour*. His determination to build a strong local news voice in British Columbia resulted in a program that set the standard for all news organizations across the country. When he retired from his role as vice president, News, and news director in 1998 he left an organization that was unmatched in its vigor and its success anywhere in North America.

He revolutionized television news in Canada with a simple formula: tell relevant and compelling stories, do it consistently and do it well. He broke the TV news mold of predictable 30-minute news stories, pioneering the idea that the length of a news story should be dictated by the importance of the story, the pictures and the people themselves. Among his many innovations was the launch of *Canada Tonight*, the precursor to *Global National*.

He was known for his logical and analytical mind and in his role, first as reporter and then news editor and vice president of News, he was

never afraid to challenge the conventional wisdom of the day. He was never willing to accept second-best, always questioning whether a story could be more thoroughly or engagingly told, and ensuring the news department was an advocate for the viewer.

Keith's list of awards and honours over the course of his news career goes back to 1962 when, as editor-in-chief of *The Ubyyssey*, he and his fellow students won the Southam Trophy for best university newspaper in Canada. That same year, he won the Bracken Trophy for best editorials. Years later, under Keith's leadership, the BCTV news department was also honoured many times, winning trophy cases full of Radio-Television News Directors Association of Canada awards, both regionally and nationally. Other recognition came from the Canadian Association of Broadcasters, the BC Association of Broadcasters, Can-Pro, and the Jack Webster Foundation. In 1999 the Jack Webster Foundation honoured Keith and former colleague Cameron Bell with the Bruce Hutchison Lifetime Achievement Award. In 2004 Keith received a lifetime achievement award from the Radio Television News Director Association of Canada. In 2007 the Webster Foundation further honoured him by dedicating the Best Television Reporting of the Year award annually to his memory.

Keith was born a prairie boy in Moose Jaw, SK, and had an unusual education, dropping out of high school to flip burgers at King's Drive-In on Broadway and then landing a job as copyboy at *The Vancouver Sun* where he quickly rose to general assignment reporter and then assistant city editor. With the urging of legendary *Vancouver Sun* managing editor Erwin Swangard he enrolled at UBC where he earned a BA and LLB.

He loved being a husband and a father to his two children. His friends and family, which now includes five grandchildren, continue to miss him.



John Craig Samson

John Craig Samson, BSc'67, MSc'68

Born of Acadian descent in New Westminster on August 8, 1945, John passed away after a short illness on February 7, 2012, at the age of 66, in Edmonton.

Despite his working-class background, John was privileged to attend UBC on scholarship, gaining his bachelor's (with honors) and master's degrees in physics-geophysics. John professed that he chose physics because he could not tolerate the smells emanating from other science labs; in truth, he was thrilled by the beauty and elegance of the mathematics he found in the physical universe. As an undergraduate member of the UBC Physics Society, he co-edited the UBC Physics Society Journal and spent his summers working as a field geochemist in Northern BC and Yukon.

John met the love of his life, Liz Semmens, BSN'68, while at UBC. They were married for 42 years and had two children: Jean-Paul (née Sean) and Michael.

After completing his MSc, John attended the University of Alberta (U of A), receiving his PhD in 1971, followed by post-doctoral research at the University of California, San Diego. In 1973, John and his family returned to Canada where he worked in Ottawa for five years at the National Research Council in laser and plasma physics.

In 1978, John joined the University of Alberta's Department of Physics as an assistant professor. During his 30 years there, he moved up the academic ranks, eventually becoming department chair from 1996 to 2004. John spearheaded the renewal of the department, overseeing one of the largest recruitment drives in its history. His initial conversations led to the department's new home in the Centennial Centre for Interdisciplinary Science. John was instrumental in bringing supercomputing to the U of A by helping to build an Alberta consortium called Multimedia Advanced Computational Infrastructure (MACI), later becoming Westgrid.

John was a pioneer in time series analysis, ULF plasma waves, and magnetic substorms. He was the first to observe and record specific frequencies of Alfvén waves that he believed were responsible for magnetic substorms – Samson's "Magic" Frequencies are so named in his honour. His expertise in substorms and in analyzing the optical and magnetic signatures of the aurora borealis, known as the northern lights, brought him in contact with the 2007 THEMIS mission. THEMIS was comprised of five satellites deployed to examine how substorms are triggered and how they evolve. John, as the principal investigator for Canada's CANOPUS experiment, had expertise in analyzing data from ground instruments, making him the ideal Canadian to work with the THEMIS team. Wave process data observed by THEMIS mission spacecraft are being processed by scientists around the globe using software tools that John originally pioneered for CANOPUS.

John's profession offered many opportunities to indulge in travel with Australia being a favourite, oft-visited location. After retiring as professor and chair emeritus in 2006, John enjoyed daily long walks with his small terrier taking photographs of nature. During summers he sojourned in the sunny Okanagan, motoring through the vineyards in his red MG sports car.

John's mentorship of students and postdoctoral fellows, together with his scientific achievements, helped to mold a new generation of scientists who continue to advance his ideas.

Dr. Anita Sleeman (née Andrés), BMus'71, MMus'74

It is with deep sadness that the family of Anita Andrés Sleeman announces her peaceful passing on the morning of October 18, 2011, at her home in North Vancouver.

The uniquely creative Anita was born December 12, 1930, in San Jose, CA, to Alejandro Andrés from Salamanca Spain and Anita Dolgoff from Stavropol, Russia. Her exceptional musical abilities were evident as early as age three and by the age of eight she began composing. While attending Placer College as a music student in 1948, Anita met her future husband, Evan Sleeman. They married in 1951 and purchased a ranch in Nevada with Evan's parents, Louis and Alice. Together they had six children and lived in Nevada until they immigrated to Canada in 1963, where they lived on a remote Chilcotin ranch. In 1967, they relocated to the Vancouver area.

Anita resumed her studies at UBC earning a bachelor's degree in music in 1971, followed by a master's degree three years later. She was co-founder of the Delta Youth Orchestra and helped establish the music program at Capilano College in North Vancouver as a member of its music faculty. In 1982, she returned to California to complete her doctorate at the University of Southern California (USC) while also attending the famous Dick Grove School of Jazz. At USC she was a member of Pi Kappa Lambda National Honor Society for Music Students.

For 17 years Anita acted as musical director and conductor of West Vancouver's Ambleside Orchestra, until her retirement in 2010. Her compositions have been premiered in London, England, and Fiuggi, Italy, as well as in Ottawa, Winsor and Vancouver; commissions include CBC Radio, Vancouver Community College, the Delta Youth Orchestra, the Galiano Trio, and others.

Anita was also a pilot, avid knitter and seamstress, builder of dollhouses, and gracious host. She had an offbeat sense of humour and loved to write satirical limericks. She was the mentor and friend of many. Anita is survived by her husband, their children, Julie Andres, Kathy Kyler, Grant, Kevin, Cindy and Bryan Sleeman, and their families.

Garth Stewart Wilson, MA'84

After a long battle with cancer, Garth passed away in Ottawa on November 13, 2010, at the age of 50 with his beloved wife, Sandy Lynch, by his side. Born in Kamloops in 1960, Garth obtained his bachelor's degree in history at the University of Victoria in 1982 before going on to UBC to pursue postgraduate studies in this discipline. After completing his master's at UBC in 1984, Garth spent two years in Denmark studying his specialty, Viking seafaring, in preparation for a PhD. Although the proposed doctorate never materialized, he acquired the experience and training that enabled him to pursue what was later to become his life's work in museums.

In 1989, Garth was hired by the Canada Science and Technology Museum in Ottawa as the curator of marine transportation. By 2003, he was responsible for all forms of transportation at the museum – a position he held until his death. Garth oversaw the creation of several exhibits and was active in increasing the museum's collection of relevant transportation artifacts. As the result of his efforts, the collection grew to include more examples of working vehicles, Canadian content and critical infrastructure.

During his career, Garth published a large number of both popular and professional articles and monographs about the history of transportation. Many of them appeared in *Material History Review*, a scholarly journal originally published by the museum and the journal in which he served as the *English Review* Editor from 1991-2006.

Garth was also active in a number of professional organizations, including, The Canadian Nautical Research Society, The Museum Small Craft Association, The Atlantic Challenge Canada Foundation, The Adirondack Museum, and most recently, T2M – The International Association for the History of Transport, Traffic and Mobility.

Andrew T. Wade, BA'07

Andrew was born May 26, 1985, in Denver, CO. Known to his family and friends in Denver as Andy, he graduated from George Washington Secondary in 2003. With an interest in film production, Andrew applied to UBC and fell in love with the campus and the city, saying “this is it.” During his first two years at UBC, Andrew lived in Totem Park Residence where he made many close friends with whom he spent much of his time over the next eight years. Andrew was known for his love of Vancouver, and reminded everyone how lucky they were to live close to such ‘epic’ mountains and ocean. He joined the Westside Rino's soccer club and always loved playing with the championship team.

Andrew started in UBC Film Studies courses, but his interest in other subjects led him to choose an interdisciplinary major in cognitive systems. During his last term at UBC, Andrew took a visual analytics lab which changed his career focus. After graduation, he worked at UBC and SFU learning the techniques within this multidisciplinary field.

In 2008, Andrew decided to pursue a master's degree in visual analytics at SFU. He developed a passion for travel after travelling to Europe with a close friend, jumping at any personal or work-related opportunity to travel the world. During this time, Andrew accepted an internship with Boeing Co., and using his visual analytics expertise and working with their safety engineers, he helped precipitate changes in five Boeing aircraft and their pilot safety manual. After accepting a career offer with Boeing, Andrew went to India in early September 2011 to work on a project involving SFU, Boeing Co. and Optimus Info Systems.



On September 25, 2011, Andrew died along with 18 others when his tourist flight around Mount Everest crashed near Kathmandu. Two days earlier, he had submitted the final revisions for his master's thesis. His master's degree was awarded posthumously at SFU in October 2011. Scholarships in his name at UBC and SFU have been established to recognize students who demonstrate interests and acumen in visual analytics. His beautiful smile and passion for life are greatly missed by his family, friends and mentors. ☹

We depend on friends and relatives for our In Memoriam materials. Please send obituaries of 400 words or less (submissions will be edited for length where necessary) to trek.magazine@ubc.ca or:

*UBC Alumni Association
6251 Cecil Green Park Road
Vancouver, BC V6T 1Z1*

(Mail original photos or email high resolution scans – preferably 300 dpi.) Please note that Trek magazine is also published online.



THE LAST WORD

with

Rachel Lewis MBA'00

Rachel Lewis grew up in a soccer-mad family. Her dad was a soccer coach and they were all keen supporters of Vancouver Whitecaps FC.

The soccer theme has stuck. In 2007 Lewis became chief operating officer for Whitecaps FC and she's having a ball. When she volunteered as a speaker at UBC's Student Leadership Conference this spring, she told the students: "I'm proof that if you work hard, follow your dreams, and take a few risks along the way, you can get to where you want to be and achieve your goals and ambitions."

Lewis first joined the club in 2003 as director of event management and stadium development after being interviewed by owner Greg Kerfoot (BSc'83) and 'Caps legend Bob Lenarduzzi.

Prior to joining Whitecaps FC, Lewis was tournament director of the Air Canada Championship PGA Tour Event, and project manager for the BMO Financial Group Canadian Women's Open. As well as being a board member of the Gastown Business Improvement Society, she is a member of the International Women's Forum, a former director of both Sport BC and Kidsport Canada, and a former Trustee with the BC Sports Hall of Fame and Museum. She also volunteered as a member of the FIFA U-20 World Cup Canada 2007 Steering Committee.

In 2008, Lewis received the Business in Vancouver 40 Under 40 award and in 2011 was named one of BC's 100 Women of Influence by *The Vancouver Sun*. She recently received one of the inaugural Celebration of Leadership in Canadian Sport Business Awards, presented by George Brown College in partnership with the *Globe and Mail*.

What is your most prized possession?

It's a toss-up between my photo albums and my grandmother's antique necklace.

What was the last thing you read?

Patriot Hearts by John Furlong and Gary Mason.

Who is going to win Euro 2012?

Spain.

What are you afraid of?

Spiders and cockroaches.

Describe the place you most like to spend time.

The beach. Vancouver's beaches are so spectacular and I also love travelling to different beaches around the world.

If a genie granted you one wish, what would it be?

A copy of myself so I could spend the day with my family and at the office.

Name the skill or talent you would most like to have.

Great orator.

What or who makes you laugh out loud?

My kids. To quote Bill Cosby, they really do "say the darndest things." I'm also a big fan of the TV show *Modern Family*. I saw it for the first time on a flight and was laughing out loud - I actually woke up the guy sitting next to me.

What's the most important lesson you ever learned?

Don't take no for an answer. It is usually the easy way out and, if you are creative and persistent, nine times out of 10 you can make things happen.

What's your idea of the perfect day?

One where I completely check out of technology. I don't get a single email or phone call and can just enjoy time with my family. 25 degrees, sunshine with a light breeze ... and a beautiful beach also helps.

Name the world's three greatest soccer players (living or dead).

Pele, Diego Maradona, and at this rate, Lionel Messi.

What item have you owned for the longest time?

A baby blanket my grandma crocheted for me - my son now sleeps with it.

What is your pet peeve?

A mess - especially at home or in the office.

What's the most challenging part of your job?

No two days are ever the same which makes every day a new challenge and opportunity. It is also what I love the most about the job!

What's one of your favourite memories to date while working at Whitecaps FC?

March 19, 2011 - our first match in Major League Soccer was magical. It was both the culmination of years of hard work and also the beginning of a great new chapter for the club.

If you could invent something, what would it be?

I've always wanted to be an entrepreneur, I just have no idea what I would invent. I guess that's a problem.

If you weren't doing your current job, what do you think you'd be doing?

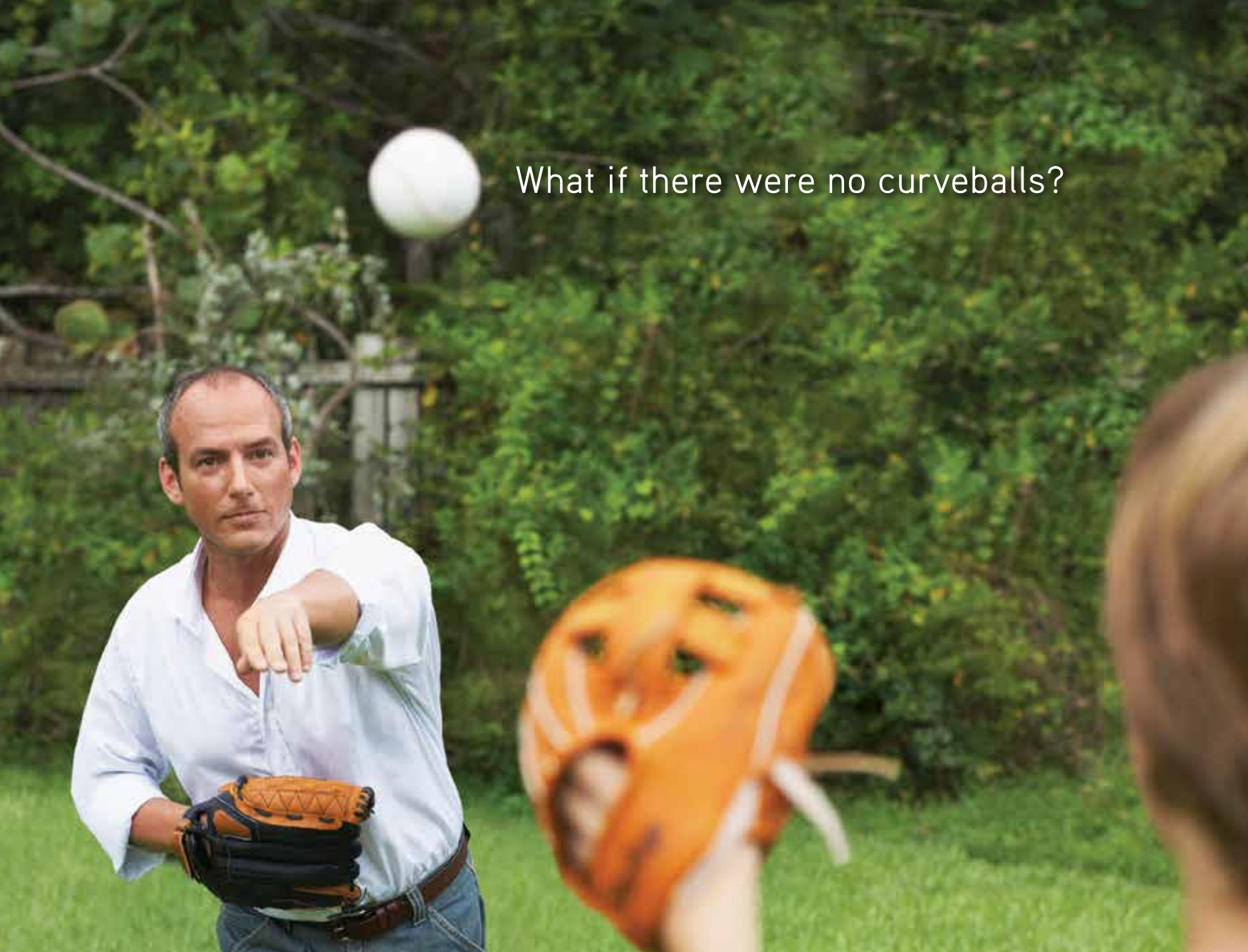
I really can't imagine doing anything else. I love what I do.

In which era would you most like to have lived, and why?

This one. I like to live for today.

Which three pieces of music would you take to that desert island?

The Beatles Anthology, Mozart, U2's greatest hits or Madonna (can't decide). 🎧



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